

AARHUS INSTITUTE OF ADVANCED STUDIES

# AIAS ANNUAL REPORT

2021/22





Networking in the AIAS Hall, June 2022.  
Credit: Nicolai Hildebrandt.

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# STUDIES AND SOLUTIONS: THE DIRECTOR'S ACCOUNT 2021-2022

During one of the lectures in the AIAS Seminar Series this year, a fellow suggested – jokingly – that we should rename ourselves to “Aarhus Institute of Advanced Solutions.” I found this an interesting proposition, but to avoid stirring up too many emotional comments, I should immediately declare that this is not my intention. However, changing from *studies* to *solutions* gives rise to a multitude of reflections on the changing role played by scholars and by universities. We are without doubt facing global and local challenges of a scale and severity that call out for both studies and action.

Furthermore, be it the climate crisis, the pandemic, the overpopulation, the return of brutal wars in Europe, or the uneven distribution of wealth and opportunities, it is evident that all of these challenges must be addressed using a plurality of disciplines. So, what do we do? Do we study all the complicated challenges more, or do we actually begin to devise solutions?

## ADDRESSING CHALLENGES WITH SCIENCE?

A high-school student that I met recently at a graduation ceremony illustrated this dilemma when I asked what she intended to do after high-school. She was preoccupied with the climate challenge, so I – as I always do – suggested that she studied chemistry. However, her response was clear: there were no reasons to study, what was needed was action! Although this is taking it a bit too far, there is still an important point in her statement. Maybe we do actually already have the knowledge – in chemistry, economics, anthropology, psychology,... – to not only point out the problems and challenges that are ahead, but we might actually be ready to address the solutions.

So, the current trend where universities to a larger extent engage themselves in finding the solutions to the societal challenges we are facing is important. Doing so could rebuild the trust between universities and politicians, and devise solutions

not only driven by market needs, but also by societal needs. Hereby, we would ensure more holistic solutions, where one problem is not solved at the expense of another!

The most efficient way for universities to contribute to this is still through education. No matter who will solve the challenges, and no matter how they are solved, we already now know that most of the persons responsible are trained at a university.

## AN INTERPLAY BETWEEN DISCIPLINES

One thing we also know is that solutions are inherently collaborative and interdisciplinary. This is where a place like AIAS can contribute by providing a breeding ground for interdisciplinarity and collaborative research ventures. Adding the word “basic” or “pure” or “blue sky” to interdisciplinarity would emphasize that AIAS is not directed toward specific missions or challenges, but interested in the *interplay between disciplines* at the onset of research and not at a stage where interdisciplinarity is seen as a mixed brew of research results. We see it already in our exit interviews with fellows at AIAS; even though not all fellows engage in interdisciplinary project or publications, they all cherish the interdisciplinary dialogue with colleagues and most importantly highly value the exposure to fundamental research problems in other fields.

I think we are quite successful in our endeavor to facilitate interdisciplinary dialogue at AIAS, but I also think we can do more to directly facilitate interdisciplinary projects at AIAS. However, it must be carefully balanced. Another key activity at AIAS is career development and support, and as it was clearly stated at a Nordic conference on Interdisciplinarity in March this year at AIAS, young researchers are assessed and get tenure *within* disciplines. As one said, “Interdisciplinarity is always in the *calls*, but never in the *evaluations*.”



Photo: AIAS Director Søren Keiding. By: Nicolai Hildebrandt.

### **BALANCING MISSIONS AND INTERDISCIPLINARITY**

So, with this balance in mind, I still think we should strive to create ways to progress from interdisciplinary dialogues to interdisciplinary projects, along with the advanced disciplinary projects. There are already several excellent examples of that from current and former AIAS fellows, but there could be more. I am convinced that it is fruitful to actually work within specific themes – or let us just call them missions, also at an Institute for

Advanced Study. Fellows should not redirect or change their disciplinary research projects to align with missions, but instead we can gather smaller groups of fellows *around* missions and probe the inspiration, the solutions, the questions, and the studies coming out of this. AIAS is, and should always strive to be, a bottom-up institute of advanced studies, driven by the researchers' own ideas and projects. But, there is also room for new experiments with missions and interdisciplinarity.

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Be it the climate crisis, the pandemic, the overpopulation, the return of brutal wars in Europe, or the uneven distribution of wealth and opportunities, it is evident that all of these challenges must be addressed using a plurality of disciplines. So, what do we do? Do we study all the complicated challenges more, or do we actually begin to devise solutions?

# FROM LOCKDOWN FELLOW TO **REAL,** TANGIBLE INTERDISCIPLINARY COLLABORATIONS

By: Luseadra McKerracher, AIAS Fellow, postdoc, previously McMaster University, Hamilton, Canada

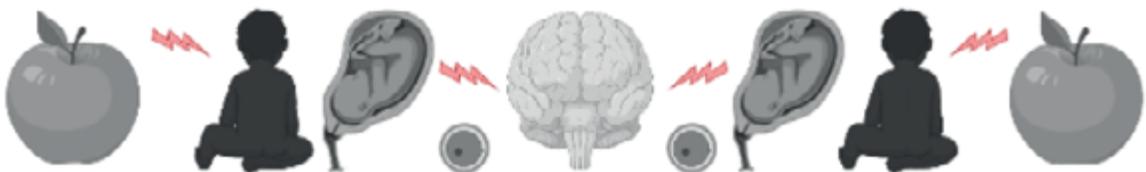
**Arriving at AIAS during complete lockdown, Canadian fellow Luseadra McKerracher was confined to an online introduction. Despite this, 30+ online 6-minute introductory research presentations by co-fellows stuck with her, and have inspired development of tangible collaborations with new research avenues to explore.**

Some of us arrived at AIAS in the darkest days of COVID-related closures. I, for example, arriving in February 2021, missed my orientation date at my new supposedly dynamic, boundary-less, inter-disciplinary workplace because my family and I had been exposed to COVID and needed to self-isolate for days. I didn't actually meet most of my new colleagues in person until late August of 2021, well over half a year into my fellowship.

But, through those first 6-7 months, glimmers of the marvel of AIAS flickered through curtains of public health measures and behavioural disruptions and risk aversion. In the midst of those dark days of winter 2021, all of us fellows were asked to introduce ourselves and our research programs to one another in a full day's collection of 6-minute snippets via Zoom. I prepared and attended grudgingly, having learned, a year into the COVID pandemic, that online presentations often fail to hold my attention, let alone capture my imagination. But, I was proved wrong. I glued my eyes to my computer screen as I heard tales of microalgae in the atmosphere, of tracking whales as they sing songs of defense, of modeling environments and cultural patterns in ancient Rome, of revitalizing kidneys, of identifying racism in both recent and historical European politics, of leveraging sleep to fight cancer, of mathematical tree structures that defy prose. I learned a new word: Interoception, how we perceive our bodies' inner functions.

I wasn't alone in having my imagination captivated during this introductory session: there were flurries of questions and comments in the Zoom chat, 30+ people bringing their experiences and curiosity to those 30+ talks.

I sat with those 6-minute snippets, those questions in the chat, for months. I went about working on my own projects. Much later, I remembered interoception and looked it up. I remembered a half dozen other cross-cutting ideas from fellows with backgrounds in biomedicine, psychology, cognition/psychophysics, biochemistry, environmental sciences, and public health. I had an idea. I sent some emails, and asked seven other fellows if they would work with me on organizing an event on something that seemingly hadn't been studied before—something truly inter-disciplinary, novel, and probably stupid. They didn't really know me or my work; they did know that organizing an event would be a massive time suck; and they had no particular reason to think that anything tangible would come out of whatever we might put together, but they all said yes, with one exception due to a parental leave. They committed time to something that would offer no personal benefits, out of a combination of deep, scientific curiosity and collegiality.



\*This image was created using Biorender.



Photo: Luseadra McKerracher  
Credit: Ida Marie Jensen

Another 8 months went by, during which we planned and organized. The details of this are unimportant. What is important is that we, as of June 2022, are now a group of colleagues with tangible plans to collaborate and with at least two brand new research avenues to explore: What happens when we bring attention to how we perceive our bodies' inner functions during pregnancy? How can we use this attention to develop new ways of supporting health and wellbeing during what are among the most critical stages of the life course? I think there's a lot of promise here in identifying and developing these avenues, and how quintessentially AIAS it is to have the freedom and curiosity to explore them from at least eight different perspectives. ■

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## AIAS INTERDISCIPLINARY SYMPOSIUM

**PERCEIVING AFTER CONCEIVING: What internal body perceptions and sensations mean for pregnancy and post-partum nutrition and health for parents and for the next generation**

14 June 2022

An interdisciplinary symposium, initiated by Luseadra McKerracher and co-organized with six other AIAS Fellows and AIAS Associates.

With 3 keynote lectures and 10 flash talks, and three periods of extended discussion and reflection, the event brought together two groups of researchers and experts. One group focused on the social determinants of health and nutrition in the earliest stages of the human life course, i.e., just before conception, through pregnancy, and through infancy; and the other group focused on measuring and visualizing body sensations and internal perceptions of bodily functions and experiences.

[aias.au.dk/events/](https://aias.au.dk/events/)

[aias-conference-perceiving-after-conceiving](https://aias.au.dk/events/aias-conference-perceiving-after-conceiving)

# PHYSIOLOGICAL EVOLUTION FROM A BIRD'S EYE PERSPECTIVE

By: Christian Damsgaard, AIAS Fellow, Assistant Professor, previously University of British Columbia, Canada

**The unique vision of birds is the object of study of AIAS Fellow Christian Damsgaard. As a comparative physiologist, he seeks to understand how neural tissue without blood vessels has evolved, as in birds, to widen our understanding of physiological evolution.**

Blood flows through all tissues in our bodies and supplies the oxygen and nutrients needed for our cells to function. Any impairment of the blood supply reduces cellular function, which underlies a range of human diseases. However, the light-absorbing retina within the eyes of birds completely lacks blood vessels, providing a naturally evolved tissue type with physiological processes that allow its cells to function without a rich blood supply. In my AIAS project, I study the nutrient supply to the retina in birds and their closely related reptile sister groups to uncover the evolution of neural tissue lacking blood vessels.

## AN INTEGRATIVE APPROACH TO PHYSIOLOGY

Understanding the processes that support the function of the bird retina requires information at multiple levels of biological organization. Therefore, I combine experimental techniques that provide information about eye function and nutrient supply from the level of the whole organism down to the regulation of individual genes. For example, I measure the electrical properties of the retina after light stimulation to understand how well animals see. I measure oxygen diffusion in the retina to determine how oxygen limitations affect vision, and I measure gene expression in the retina to understand how different molecular pathways affect oxygen transport and utilization. Combined, these data provide insight into how restrictions in oxygen delivery affect the vision from a genetic to a whole organ level.

## PHYSIOLOGY FROM AN EVOLUTIONARY PERSPECTIVE

Over the course of evolution, animals have evolved an extraordinary diversity in form and function. Animal species are hierarchically related via their phylogenetic tree, where the physiology and anatomy of closely related animals are more similar than more distantly related species. This means I can use information from different species to model how physiological functions originated and diversified during animal evolution.

In my AIAS project, I perform physiological measurements in both species of birds and the birds' closest related sister species, the crocodiles, turtles, and lizards, that differ with respect to the retina's nutrient supply. This allows me to pinpoint the specific naturally evolved adaptations in the retina that supported the evolution of a neural tissue without blood vessels. Ultimately, I am interested in determining if the mechanism for improved oxygen supply can help humans with cardiovascular diseases in the future.

## INTEGRATION AT AARHUS UNIVERSITY

My fellowship at AIAS has provided me with the academic freedom required to set up multiple new experimental techniques in a multispecies framework to understand evolutionary physiology at several levels of biological organization. Here, the interdisciplinary AIAS environment provides constant input and inspiration to the project, and is an ideal setting for conducting this type of research.

My AIAS project has also been a stepping-stone for setting up new fruitful collaborations with researchers outside the natural sciences, including researchers in biomedicine, clinical medicine, and pathology, which has provided me with new tools and approaches to addressing my scientific questions.

Further, my AIAS project has received generous support from the Zoophysiology section at Aarhus University, which provides unique facilities for laboratory work and animal housing. ■



Photo: Christian Damsgaard. Photo credit: Nicolai Hildebrandt.

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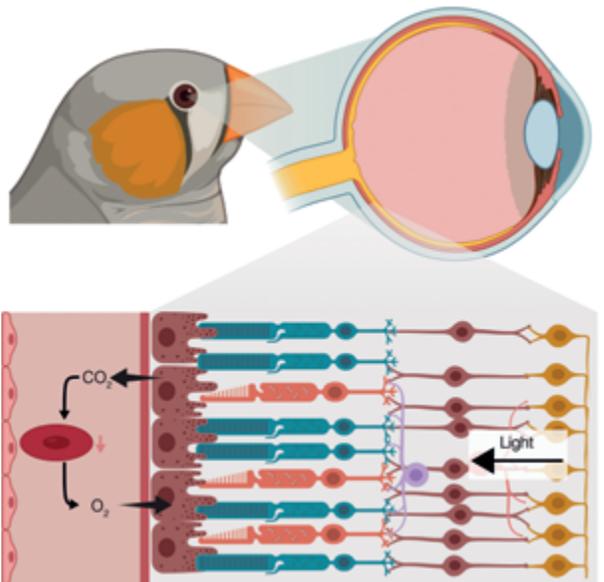


Figure: The retina lining the back of the bird eye lacks blood vessels that are vital for the function of all other neural tissues. Christian's research aims to understand how the bird retina functions without an efficient blood supply. The figure was generated using Blender.

# THE IMPORTANCE OF CIRCADIAN RHYTHMS FOR OUR WELL-BEING

By: Lisa M. Wu, AIAS Fellow and Associate Professor, previously Northwestern University Feinberg School of Medicine, USA

**Our daily rhythms are vital for our well-being. What happens when they are interrupted is the focus of fellow Lisa M. Wu's research at AIAS. But the space and time during her 3-year fellowship has also allowed her to follow new research trajectories resulting in novel projects.**

The circadian system plays an essential role in the timing of numerous biological processes important for our health and well-being. There is increasing evidence that disruptions to our daily circadian rhythms may be associated with a number of the symptoms cancer patients experience across the cancer trajectory, including fatigue and sleep problems. It is this key system that is the focus of my work at AIAS. Along with colleagues in the Department of Psychology and Behavioural Sciences and at Aarhus University Hospital, we are examining the role of circadian rhythms in these cancer symptoms. Light happens to be the strongest entrainer of circadian rhythms as it facilitates the alignment of our internal biological rhythms to the light-dark cycle. Therefore, we are also examining the influence of light exposure in our patients. We are at the tail end of data collection for this project and look forward to its completion in 2023.

## THE ROLE OF SOCIAL RHYTHMICITY DURING LOCKDOWN

Along similar lines, we have undertaken research examining the important role of social rhythmicity in health and well-being among healthy individuals during the early months of the COVID-19 pandemic when much of the world had shut down. Our findings highlight that individuals who were "night owls" evidenced less regularity of daily activities and poorer psychological well-being than "morning larks".

“

My AIAS fellowship has been crucial to the success of my interdisciplinary research program. It has offered me the time and space to think outside the box and to explore new and diverse research directions that truly tap into my interests and background. I have not felt beholden to a predictable or expected research trajectory or path, but instead have had the opportunity to go where my ideas take me.

As a clinical psychologist interested in improving the health and well-being of individuals, the circadian system is an attractive treatment target as it is potentially amenable to non-invasive, non-pharmacologic intervention approaches, such as light therapy.

## DEVELOPMENT OF A NEW NEUROPSYCHOLOGICAL REHABILITATION PROGRAM

In a completely different vein, I have initiated two novel projects, which have received grants from the Danish Cancer Society, to investigate the efficacy of a neuropsychological rehabilitation program to improve the lives of child and adult cancer patients experiencing cognitive problems. The program involves partnering with family members to improve the application of compensatory strategies in everyday life. This research has the potential to give families hands-on skills for actively coping with their new normal.



Photo: Lisa M. Wu at Aarhus University Hospital. Credit: Nicolai Hildebrandt.

### AN INTERDISCIPLINARY AND EXPLORATORY MINDSET

The AIAS milieu has not only allowed me to retain my collaborations with colleagues in the US and New Zealand, but has also served to strengthen my network of academic colleagues within Denmark and across Europe. For example, it has created opportunities for me to connect and collaborate with colleagues in the Unit for Psycho-oncology and Health Psychology, and connected me with neuropsychologists and chronobiologists Europe-wide.

In sum, my AIAS fellowship has been crucial to the success of my interdisciplinary research program. It has offered me the time and space to think outside the box and to explore new and diverse research directions that truly tap into my interests and background. I have not felt beholden to a predictable or expected research trajectory or path, but instead have had the opportunity to go where my ideas take me. I am so grateful for the unique privilege of being a part of the AIAS community of scholars. ■

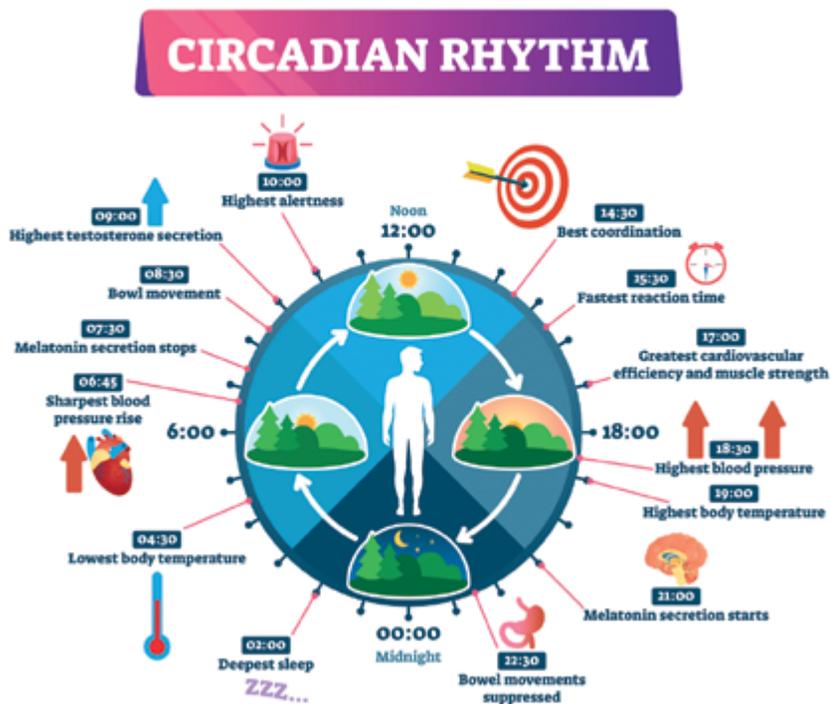


Figure: Illustration of circadian rhythms across the 24-hour day. Credit: Colourbox.

# EXPLORING THE BEAUTY OF PURE MATHEMATICS

By: Corina-Gabriela Ciobotaru, AIAS Fellow and Assistant Professor, previously Institut des Hautes Études Scientifiques, Paris, France

**In her AIAS fellowship, Corina-Gabriela Ciobotaru studies geometric group theory to bridge existing gaps in mathematics – and as initiator of the Women in Mathematics at AU network, she also brings women together to promote a supportive environment for the next generation of mathematicians.**

Geometry lies in the concerns of practical problems of everyday life and is one of the oldest branches of mathematics. From the micro-cosmos to macro-cosmos, geometry and group theory are fundamental in all fields of the natural sciences and study the shape of individual objects, their symmetries, the spatial relationships among various objects, and the properties of the surrounding space. Exploring the geometries of such objects promises to deepen our understanding of the mysteries of our universe and to facilitate innovative research beyond mathematics and physics.

## GEOMETRIC GROUP THEORY – FILLING EXISTING GAPS

My field of research is called geometric group theory and resides at the intersection of different technical but beautiful areas in Pure Mathematics: metric geometry, harmonic analysis, Lie theory, or representation theory. With my research, I seek to establish new bridges between all those exciting fields of contemporary mathematics, with the hope that at some point in the future my results will fill existing gaps and reveal a revolutionary theory with potential for relevant applications to the other fields of the natural sciences.

After postdoctoral stays in Switzerland and Germany, a short stay in the industry sector, and a research visit in Paris, I have joined AIAS and the Department of Mathematics at Aarhus University, in October 2021. Since then, I really enjoy the weekly

interdisciplinary seminars and social atmosphere at AIAS, and commute to my second office at the Mathematics department where I have already built good connections and new research collaborations.

## WOMAN – A WOMEN IN MATHEMATICS NETWORK

Apart from doing research, teaching, and giving talks, it is also very important to give something back to the mathematical community and to engage the younger generation. In December 2021, I have initiated and co-organized the Women in Mathematics Aarhus (WoMA) at Aarhus University. WoMA aims to be a very friendly, including and supportive network across all career stages of study, with monthly events for female maths students at Aarhus University.

Organizing such events have given me the opportunity to connect with many colleagues, students, and staff from Aarhus University, but also from all other Danish universities. One of our memorable WoMA events so far was the first Danish national mini-conference 'Celebration of International Women in Maths Day', on April 27-28 2022. We were very happy to celebrate this day with the inspiring talks of 21 enthusiastic women in mathematics (bachelor, master, PhD, postdoc, professors), representing all the five Danish universities. ■

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Photo: Corina-Gabriela Ciobotaru

\*  $SL(n, \mathbb{R})$  acts on  $SL(n, \mathbb{R})/SO(n)$  - symmetric space  
(Riemannian manifold)

$SL(2, \mathbb{R})/SO(2) \cong \mathbb{H}^2$

\*  $SL(n, \mathbb{Q}_p)$  acts on  $SL(n, \mathbb{Q}_p)/SL(n, \mathbb{Z}_p)$  - Bruhat-Tits building  
(simplicial complex; analog of the symmetric space)

$SL(2, \mathbb{Q}_p) \cong \text{Aut}(T_{p+1})$

The B-T building of  $SL(n, \mathbb{Q}_p)$  is a union of  $d$ -collated  $\mathbb{R}^{d-1}$  spaces (with simplices of some "type", that are glued along faces, ..., vertices of the maximal simplices called chambers and following some axioms.

• Both symmetric spaces and Bruhat-Tits buildings are "very nice" metric spaces, they are CAT(0) spaces (non-positively curved metric spaces)

The Bruhat-Tits building of  $SL(2, \mathbb{Q}_p)$

Image: A brief part of geometric group theory. Handwritten presentation by Corina-Gabriela Ciobotaru.

# RESPONSES TO DEMOCRATIC CRISIS

By: Kei Hiruta, AIAS Fellow and Assistant Professor, previously University of Oxford, UK

**Political theorist and AIAS Fellow Kei Hiruta explores the question of moral responsibility in failing democracies in his research that lies at the intersection of political philosophy and intellectual history.**

Suppose that the government of your country is implementing what you think are highly unjust laws and policies. You want to voice dissent and think everyone else should express their opposition, too. But you also know that you live in an oppressive society. You know that many people will be silent and that you'll be risking yourself and your family if you decide to act on your conscience. Should you still do something to resist the unjust laws and policies? What if you don't? Should you be blamed for your inaction, your conformity or even your complicity? And what if you do act, yielding foreseeable, though unintended, consequences, including the suffering of your loved ones? Should you then be blamed for your action, your recklessness or even your selfishness? What ought you to do?

## DEMOCRACY IN CRISIS: TWO PERSPECTIVES

These questions are central to my AIAS project on 'Responses to Democratic Crisis'. Of course, I'm not the only one thinking about 'crises of democracy' today. Unlike many other scholars, however, I'm not primarily interested in socio-legal questions about the erosion of democratic institutions, such as the electoral system and independent judiciary. These are certainly important issues, and I'm glad that many qualified academics are tackling them. But I am concerned with a different set of issues regarding individual responsibility: what ought one to do as a citizen and as a human being if one's basic rights and liberties are not, or no longer, protected, as one finds oneself in an increasingly undemocratic, illiberal and oppressive society?

## A DUTY TO RESIST?

Some of my thoughts are found in my book *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity*, published by Princeton University Press in November 2021, during my AIAS fellowship. It has been less than a year since the book came out, but it has already attracted considerable attention, not only in academia but also in the media. Undoubtedly, this is partly thanks to the popularity of the two protagonists of my book, Arendt and Berlin. But I think it's also because of the book's contemporary relevance. Just like Arendt and Berlin half a century ago, we are today confronted with hard questions concerning the duty to resist, albeit in a very different context. I hope these troubling questions will become irrelevant one day, when we find ourselves in a less cruel world. Unfortunately, however, such a day is unlikely to arrive in the foreseeable future. ■



Photo: Kei Hiruta with his recent book: *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity* (Princeton University Press, 2021).  
Photo credit: Nicolai Hildebrandt.

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What ought one to do as a citizen and as a human being if one's basic rights and liberties are not, or nor longer, protected, as one finds oneself in an increasingly undemocratic, illiberal and oppressive society?

# LEISURE AS LUXURY IN ANCIENT SPARTA

By: Paul Christesen, AIAS Fellow, Professor, Dartmouth College, USA

**AIAS Fellow Paul Christesen is endeavoring to produce a radical revision of parts of ancient Greek history in his AIAS project in which he challenges the prevailing views of the Spartans as 'austere'.**

Ancient Spartans have long been defined by their reputation for having lived a life of austere self-discipline in a city that resembled an army camp. During my time at AIAS, my plan is to complete the manuscript of a monograph, *Leisure as Luxury in Ancient Sparta*, in which I argue that Sparta was in fact a community founded in and fanatically dedicated to a particular form of luxury: leisure.

## THE HISTORY OF CITIZENSHIP AND LEADERSHIP REVISITED

Spartan citizens (Spartiates), both male and female, young and old, were forbidden to engage in any kind of economically productive activity. The withdrawal of Spartiates from the agricultural labor force, which was possible because of the mass enslavement of the indigenous population of territories conquered by Sparta, freed Spartiates from the back-breaking manual labor involved in farming. It also significantly reduced the output from the Spartiates' estates and thus was, by any reasonable definition of the term, a luxury and a rather expensive one at that.

In *Leisure as Luxury in Ancient Sparta*, I show how luxury in the form of leisure played a key role in Spartiate society. Moreover, I explore the wide-ranging implications of a luxurious rather than an austere Sparta for our understanding of the history of citizenship and leadership in ancient Greek communities.

## AN INTERVENTION IN CONTEMPORARY PUBLIC DISCOURSE

Above and beyond its impact within the bounds of academia, this research project is intended as an intervention in contemporary public discourse. In the present day, the image of an austere, militarized Sparta is regularly invoked in the Western world as a historical precedent that supports highly partisan views on issues ranging from foreign policy to masculinity. Indeed, myths



Figure: Twitter  
[https://twitter.com/search?q=%22from%20sparta%20to%20Yorktown%22&src=typed\\_query&f=top](https://twitter.com/search?q=%22from%20sparta%20to%20Yorktown%22&src=typed_query&f=top)

about Sparta are fueling fascist movements around the world. The apparent paradox of luxury in a community famous for its austerity represents an ideal starting place for a story that challenges the received wisdom about Sparta.

Although scholars cannot and should not control public discourse about the past, they should feel an obligation to make available narratives that are well-grounded, useful, and accessible. *Leisure as Luxury in Ancient Sparta* will offer a compelling alternative to prevailing, outdated, and inaccurate views of Sparta. By doing so, it will facilitate a shift in the way we imagine the lives led by the Spartans in the distant past and our own lives in the present day. ■



Photo: Paul Cristesen. Credit: Lars Kruse

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Indeed, myths about Sparta are fueling fascist movements around the world. The apparent paradox of luxury in a community famous for its austerity represents an ideal starting place for a story that challenges the received wisdom about Sparta.

# EXPLORING PHTHALATE CONTAMINATION IN GLOBAL FOOD TRADE

By: Yanxia Zhang, AIAS Fellow, Associate Professor, School of Environment, Nanjing Normal University, China

**Environmental scientist Yanxia Zhang investigates phthalate contamination in greenhouse food production, and how the global food trade affects food quality, human health and economy. Her goal is to incorporate phthalate policies in the global food trade for the improvement of the environment and our health.**

The use of plastic films in agricultural systems outside Europe has increased phthalate contamination in food. My AIAS project focuses on phthalate contamination, which is one type of endocrine disrupting chemicals (EDCs), and the health risks caused by the food trade between the EU and China.

Food is not subject to REACH regulations - the EU's 2007 Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals. This lack of regulation is posing a risk of adverse health effects from global food. Therefore, there is an urgent need to identify phthalate exposure risks caused by the food trade and to outline the relevant health consequences and economic burdens.

My research will fill the current research gap of phthalate exposure caused by the global food trade, and provide science-based evidence to support appropriate phthalate policies in the food trade. With a strong multidisciplinary education, I am integrating environment, epidemiology, and economics in my research to address this challenge.

## MAPPING PHTHALATE EXPOSURE IN THE EU AND CHINA

In my project, I have estimated phthalate exposure doses from intake of vegetables/fruit planted in plastic greenhouses and other food intake pathways, and quantified the contributions of different pathways to the total daily phthalate exposure for different populations. Currently, I have completed the comparison of the urinary phthalate metabolites in the adult population in 12 European countries and China (Figure 2a), and identified the food trade relationship between the 27 EU countries and China (Figure 2b).

In the next step, I will make a scenario analysis for the food trade embodied phthalate exposure in the EU, and subsequently



Photo: Yanxia Zhang.  
Photo credit: Ida Marie Jensen.

adopt a cost-benefit analysis to form alternative policy measures.

## EXTENDING NETWORK - IMPROVING EVALUATION METHODS

During my AIAS fellowship, I am cooperating with researchers in the Department of Public Health and the National Centre for Register-based research at Aarhus University based within the Big Data Centre for Environment and Health (BERTHA) (<https://projects.au.dk/bertha/>) led by Professor Sabel.

Besides my AIAS project, I am also working on a study about the association between trace elements in Danish drinking water and cardiovascular diseases supervised by the BERTHA research leaders. Having my AIAS project and the new research project at BERTHA run in parallel is a great advantage since I can improve the organic pollutant exposure health risk evaluation methods based on big data analysis.



Photo: Agricultural plastic greenhouse production systems.  
Credit: Yanxia Zhang.



Photo: Sample collection in plastic greenhouse.  
Photo credit: Yanxia Zhang.

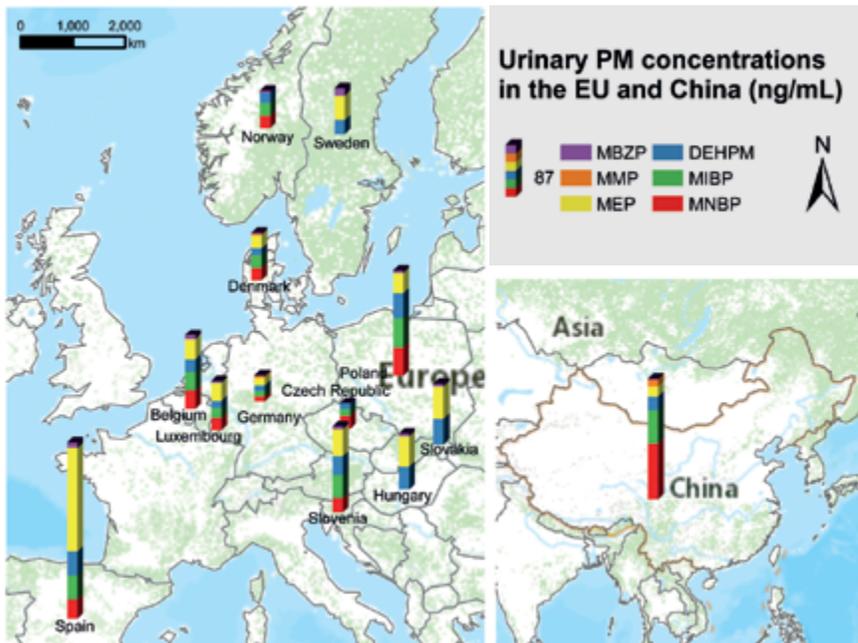


Figure 2a: Urinary phthalate metabolites in the adult population in 12 European countries and China.

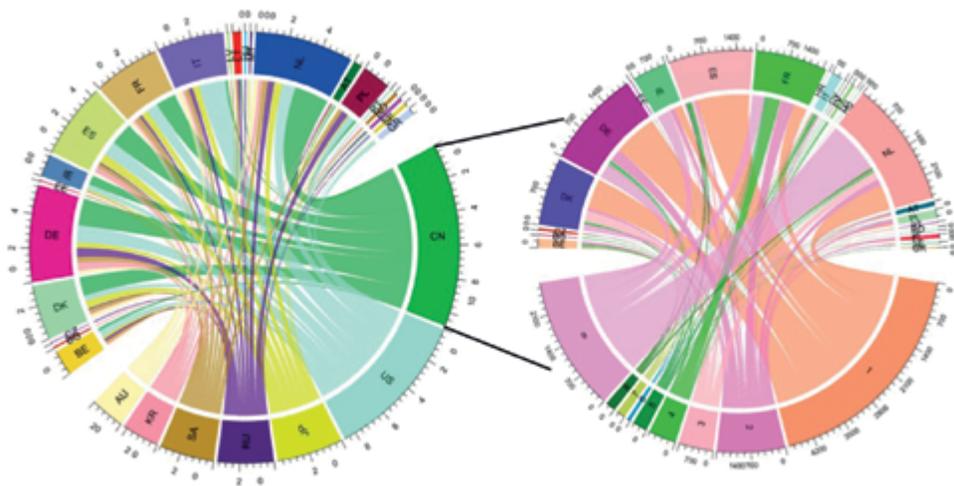


Figure 2b: Food imports from the top 7 partners in the EU.

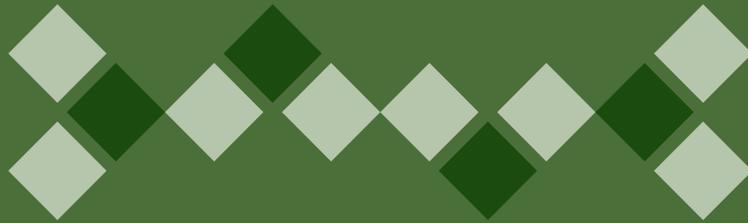
FELLOWS

ASSOCIATE FELLOWS

AUFF-UKRAINE

RESEARCH

FELLOWS



The AIAS community has reached a record-high number in the year of 2021-2022. **49 AIAS-COFUND Marie Skłodowska-Curie Fellows** from around the globe from **43 different universities** have been hosted at AIAS. This highly international and multi-disciplinary research community of fellows is accompanied by the **28 AIAS Associate Fellows** from Aarhus University, and by the **12 AUFF-Ukraine Research Fellows** from a Ukrainian research institution. Know more about the fellows here...



### ALEXANDRA-IULIA OTIMAN

AIAS COFUND Fellow

Assistant Professor, previously Institute of Mathematics of the Romanian Academy, Romania and University of Florence, Italy

**Area of research:** Mathematics

**Project title:** 'Bridging the gap between Kähler and non-Kähler geometry'

My AIAS project is purely theoretical and lies at the heart of complex differential geometry. More precisely, I study the geometry of compact complex manifolds carrying special Hermitian metrics of non-Kähler type, focusing on their topological, cohomological and analytical features. The goal of my project is to build a unifying frame of techniques for Kähler and non-Kähler geometry that resides in the characteristics of a special Hermitian metric. Such a programme would shed light on the geometric properties of complex manifolds and would have a great impact in classification theories.



### BARBARA BERGER

AIAS COFUND Fellow

Postdoc, previously University of Birmingham, UK

**Area of research:** Cognitive Neuroscience

**Project title:** 'How do we remember: Replay mechanisms during working memory maintenance and the impact of degraded percepts'

Working memory (WM) – a cognitive system holding and manipulating information for a short period of time when no longer externally available – is essential in everyday life (i.e. holding a conversation) and is inextricably linked to attention and perception. Yet, very little is known about the neuronal mechanisms underlying the representation of individual items. At AIAS, I will focus on how WM representations are impacted when perceptual input has been impoverished and attention allocation has failed as a result of perceptual constraints; hoping to close a gap in our understanding of pathological WM decline..



### BRIDGET VINCENT

AIAS COFUND Fellow

Assistant Professor, previously Australian National University

**Area of research:** Literature and ethics

**Project title:** 'The Architecture of Warning: Urban Ruins and the Ecological Imagination'

My project at AIAS examines urban ruins in contemporary writing, showing that literary depictions of ruins can form an important part of a text's ecological work. Its contribution is threefold. First, the project contributes to the interdisciplinary understanding of the current global preoccupation with modern ruins. Second, it deepens scholarship on key modern writers whose environmental texts include ruins. Third, in reading modern ruin depictions as a form of caution to the reader, the project contributes to research on the study of the text as a form of environmental warning.



### CHRISTIAN DAMSGAARD

AIAS COFUND Fellow

Assistant Professor, previously University of British Columbia, Canada

**Area of research:** Comparative Animal Physiology

**Project title:** 'Sensory evolution from a bird's eye perspective – elucidating the physiological basis for superior eyesight'

Visual perception requires energy, which must be sustained by a constant supply of oxygen to the light-absorbing retina of the eye. Yet, the retina of sharp-sighted birds does not possess internal capillary beds to supply oxygen, as most other tissues do, so adequate oxygen delivery by simple diffusion seems fundamentally impossible. This AIAS project investigates mechanisms that distribute oxygen and energy within retinal cells. I perform these experiments on multiple species of birds and reptiles to unravel the physiological basis for the evolution of superior vision.



### CHRISTOS TSIROGIANNIS

AIAS COFUND Fellow

Associate Professor, previously Antiquities Unit, University of Cambridge, UK

**Area of research:** Forensic Archaeology

**Project title:** 'Monitoring the Trade in Illicit Antiquities'

My research explores the ways in which international trafficking networks supply looted, smuggled and stolen antiquities to their various clients. Case-by-case, I am mapping the paths that are used and records the individuals, companies and institutions participating in this criminal trade. Developing in AIAS a new method for tracing 'problematic' antiquities, my aim is to help the authorities and the public to better understand the problem on an international scale in order to protect what has not yet been looted and to help the actors involved to become more ethical.



### CORINA-GABRIELA CIOBOTARU

AIAS COFUND Fellow

Assistant Professor, previously Institut des Hautes Études Scientifiques, Paris, France

**Area of research:** Pure Mathematics, Geometric Group Theory

**Project title:** 'Trees and Central Limit Theorems'

Enabling predictive mathematical modelling, the Law of Large Numbers (LLN) and the Central Limit Theorem (CLT) from probability and statistics theory are key mathematical tools in many fields of physics, chemistry and biology. The usual LLN and CLT (known from centuries) are stated for random events that are quantified as real numbers. My AIAS project aims to explore and the Central Limit Theorem on new territories where the random events will take values in metric trees and groups acting on them. Those are important cases for testing new techniques and ideas, targeting further generalizations.


**DAVID CIEPLEY**

AIAS COFUND Fellow

Associate Professor, previously Institute for Advanced Studies in Culture, The University of Virginia

**Area of research:** Political and Legal Theory

**Project title:** 'Our Corporate Civilization in Crisis: Constitutional Democracy, the Corporation, and the Problem of Control'

Ours is a corporate civilization, where organizational property is primarily owned not by natural persons but "juridical persons"—states and especially corporations. Shifting ownership to abstract legal entities has dramatic consequences for organizational scale, duration, governance, lines of responsibility and liability, economic classes, and societal dynamics. But, these are missed or misunderstood by our reigning liberal individualist frameworks. My project traces this history and documents these consequences. It further explores the tension between constitutional democracy and the Anglo-American business corporation, and concludes with reform proposals to make them more compatible.


**FREDRIK CHRISTIANSEN**

AIAS COFUND Fellow

Assistant Professor, previously School of Veterinary and Life Sciences, Murdoch University, Australia

**Area of Research:** Bioenergetics/ Ecophysiology

**Project title:** 'Understanding the population consequences of human disturbance on baleen whales'

With human-wildlife interactions becoming increasingly frequent around the world, I am interested in how human disturbance can affect wildlife populations. In particular, I am interested in how changes in individual behavior (caused by human disturbance) can lead to changes in energy consumption and expenditure, and how this can influence an animal's body condition, survival and reproductive success, and ultimately population dynamics. Focusing on baleen whales, I use a combination of research techniques, including drones and small archival tags, to determine these relationships.


**FULVIO MARIO REGGIORI**

AIAS COFUND Fellow

Professor, previously University of Groningen, The Netherlands

**Area of research:** Health and Medical Sciences

**Project title:** 'Identification of pan-anti-betacoronaviral compounds using a simple and rapid high-throughput screening approach'

The research of my laboratory aims at understanding the mechanism but also some of the physiological functions of a cellular process called autophagy, which allows each eukaryotic cell to recycle its own components. One of my research lines has been the study of the interaction between autophagy and viruses, and the first virus family that we became interested in were coronaviruses. Over the years, we have developed the knowledge and the tools to now embark on a project aimed at finding a pharmacological solution against future coronavirus outbreaks.



### GORDON MCMULLAN

AIAS COFUND Fellow

Professor, King's College London, United Kingdom

**Area of research:** Literary and cultural studies

**Project title:** 'Cormorant: A Natural and Cultural History of Prejudice'

What can we learn from a bird about prejudice? Prejudice against animals and against humans intersect discursively through the cultural resonances of terms used in natural science: 'native', 'invasive', 'migration'. My project addresses a specific creature, one that has been both the object and the vehicle of prejudice: the cormorant. The natural and cultural history of this bird serves as a case study in the history of two connected phenomena: the persistent interweaving of cultural and scientific forms of knowledge about the natural world, and what happens when forms of prejudice bleed across the human-animal divide.



### HALE GÜNEY

AIAS COFUND Fellow

Postdoc, previously Institute of History, Dept. of Ancient History, University of Cologne, Germany

**Area of research:** Ancient History, Ancient Economy, Ancient Numismatics, Greek Epigraphy

**Project title:** 'The Economy and Connectivity of Central Anatolia during the Roman Period'

The issue of the economic behavior of ancient cities has been a controversial subject within the field of ancient economics. In the past three decades, only a small number of ancient cities have been studied to question the old and new approaches and determine the dynamics of the urban economy in the Roman World. Therefore, this project intends to give an account of the old and new approaches to the ancient economy to delineate an appropriate perspective on the cases of the Galatian cities in Central Anatolia during the Roman period.



### HELEN VAN NOORDEN

AIAS COFUND Fellow

Associate Professor, University of Cambridge, UK

**Area of research:** Ancient Literature and Theology

**Project title:** 'Reframing the Sibylline Oracles'

Apocalyptic discourse in antiquity can be illuminated through study of the Sibylline Oracles. These versions of the history and fate of humankind draw on both Biblical and Greek traditions; their Greek verses were composed and edited by Jews and then Christians coming under Roman rule, but were attributed to a legendary prophetess. Reframing this corpus in contexts, such as adaptations of myths and literary genres, that span several centuries and religious identities, I bring out their multifaceted stylistic texture, various bids for authority, and hybrid cultural identity.



### IWONA JANICKA

AIAS COFUND Fellow

Associate Researcher, Centre Marc Bloch, Berlin, Germany

**Area of research:** Philosophy and Literature

**Project title:** 'How to Build a Common World? Contemporary Continental Philosophy and the Question of World Formation'

The project's point of departure is an assumption that philosophy has difficulty conceptualizing possible alternatives to the status quo. It is also challenged by envisioning alternative futures. In the context of recent ecological and technological developments, this research examines how selected 21st thinkers move from social diagnostics and critique towards gestures of affirmation and construction in philosophy. Furthermore, it investigates the implications of this shift for concrete political and social practices. At the heart of this project lies the question of habitation, co-habitation and habitability in the world today.



### IZA ROMANOWSKA

AIAS COFUND Fellow

Postdoc, previously Barcelona Supercomputing Center, Spain

**Area of research:** Agent-based modelling, Archaeology and Complexity Science

**Project title:** 'Reconstructing ancient demographics through archaeological-historical data integration and computer simulation: the cases of the Dutch Roman Limes and Roman Palmyra'

In this project, I leverage archaeological datasets and apply cutting-edge computational techniques, to enhance our understanding of ancient demographics, thus tracking the ups and downs of border communities across centuries. By combining data science, spatial modelling of rural and urban settings as well as High-Performance Computing enabled agent-based simulation, I develop an evidence-based narrative for the population dynamics of two important border regions of the Roman Empire and gain insight into the sources of resilience and failure of human groups in the past and now.



### JAAP TIMMER

AIAS COFUND Fellow

Associate Professor, Macquarie University, Sydney

**Area of research:** Cultural change, time, and sovereignty

**Project title:** 'Converting Time: A study of how histories emerge as people's futures change and make demands on the past'

Our current world is increasingly characterized by uncertain futures, but how do we evaluate and revise our assumptions about the past as markers of identity? In my fellowship, I will contribute to our understanding of how people make demands on the past as their future expectations change. A study of a religious movement in the Solomon Islands will ensure that this theoretical advancement is grounded in ethnographic detail that has analytical clarity. I will complete a book manuscript, write an article on the theory, and organize a conference.



### JEFFREY KERBY

AIAS COFUND Fellow

Postdoc, previously Environmental Studies, Dartmouth College, USA

**Area of research:** Ecology & Geography

**Project title:** 'The many scales of Arctic ecological dynamics: confronting contradictions and gaps with new tech'

The Arctic is warming at three times the global average, yet our understanding of the rate, mechanism, and causes of widespread ecological changes in northern tundra landscapes remains limited. At AIAS, I explore how scale, and its pervasive influence on pattern, influences how we perceive and understand plant and animal life history expression (i.e. when to grow, reproduce, recover) in response to disturbances. Using computational approaches and satellite/drone/time-lapse camera imagery, my work in the Arctic and beyond explores classic ecological questions and emerging approaches to scientific communication.



### JIHAN ZAKARRIYA

AIAS COFUND Fellow

Assistant Professor, previously Beni-Suef University, Egypt

**Area of Research:** Literature, ecocriticism, gender studies

**Project Title:** 'Gender and environmental violence in Arabic literature and culture: an ecocritical study'

My project provides an interdisciplinary ecocritical perspective on different forms of human and environmental violence and insecurities. I pursue this objective through a selection of contemporary and modern Arabic novels that reveal and connect different dimensions of real aspects of gendered, ecological and political-religious violence. My project argues that the destruction of the environment in Arabic literature parallels and intersects with the violation of women's bodies that both have marked recent real religious political conflicts in Lebanon, Iraq, Algeria and Egypt.



### JOANNA KALUCKA

AIAS COFUND Fellow

Assistant Professor, previously VIB/KU Leuven Center for Cancer Biology, Leuven, Belgium

**Area of research:** Biomedicine, Cell biology

**Project title:** 'Endothelial cell heterogeneity during obesity'

As a molecular biologist, my primary research goals are directed towards understanding metabolic and molecular drivers of the process of new blood vessel formation and how it is regulated by the tissue microenvironment. Ultimately, my aim is to broaden our understanding of blood vessel dysfunction in obesity and its role in the development of obesity-related metabolic syndrome. Given the emerging importance of understanding the heterogeneity of blood vessel cells, using a multidisciplinary approach (e.g. single cell RNA-sequencing), I currently characterize how blood vessels of adipose tissue obtained from obese patients can modulate immune reactions. The ultimate goal is to find a way of reducing the risks of obesity-mediated organ dysfunction via, for example, inhibiting mechanisms leading to blood vessel dysfunction.



### KATARZYNA JAZDZEWSKA

AIAS COFUND Fellow

Associate Professor, Cardinal Stefan Wyszyński University, Warsaw, Poland

**Area of Research:** Ancient Greek and Roman Literature

**Project Title:** 'An Author to his Reader. Dedicatory Prose Prefaces in Ancient Literature'

The project is a diachronic examination of dedicatory prose prefaces to ancient Greek and Latin texts. Such prefaces allowed an author to directly address a specific, named dedicatee and to implicate him as a participant in a communicative act; as such, they represented a form of the social practices of gift exchange, networking, and patronage. During the project, I will collect evidence on the development of dedicatory prefaces over time, create a typology and comparative overview of dedicatory conventions, as well as interpret their literary and rhetorical functions.



### KEI HIRUTA

AIAS COFUND Fellow

Assistant Professor, previously Eurias Fellow, Paris Institute for Advanced Study, France

**Area of research:** Political Theory

**Project title:** 'Responses to Democratic Crisis'

What does it mean for democracy to fail? How can trust in democratic government be restored and malfunctioning democratic institutions be repaired? And what should one do if a democratic system breaks down and one finds oneself in a non-democratic society? My research considers this set of questions by re-examining the works of mid-20th-century thinkers, including Hannah Arendt, Isaiah Berlin, Albert Camus, Judith Shklar and Masao Maruyama. I hope to show that their ideas remain pertinent today, when democracies across the world are confronted with a new series of crises.



### LAU MØLLER ANDERSEN

AIAS COFUND Fellow

Assistant Professor, previously Karolinska Institutet, Sweden

**Area of research:** Cognitive Neuroscience

**Project title:** 'The cerebellum as an internal clock – altered cerebellar activity in Parkinson's disease giving rise to abnormal temporal discrimination?'

In my project, I will examine the hypothesis that the cerebellum functions as an internal clock and how the dysfunction of this clock may give rise to abnormal temporal discrimination in Parkinson's disease patients. The cerebellum is an understudied part of the human brain. Recent studies, however, have shown that the cerebellum is involved in many cognitive domains. I will use the technology of magnetoencephalography to non-invasively record neural activity of the cerebellum as it unfolds, shedding new light on the cerebellum's role in Parkinson's disease.



### LAURA NISSIN

AIAS COFUND Fellow

Assistant Professor, University of Helsinki, Finland

**Area of research:** Ancient history, Classical Archaeology, Classical philology

**Project title:** 'Making sense(s) of Roman neighbourhoods'

This project investigates the experiences of coexistence in urban quarters of ancient Roman towns by finding out how the inhabitants sensed their immediate neighborhoods. I use a multi-sensory approach, focusing on sensory nuisances i.e. the irritating smells and sounds, unwanted touches, the role of darkness in the use of space, and the disparity of diets. The sensations, often considered as solely physiological phenomena, are in fact deeply influenced by culture. One key element of this study is hence to find out what were the Roman cultural concepts associated with senses.



### LAURE GUIRGUIS

AIAS COFUND Fellow

Associate Professor, Institute for Research on the Arab and Muslim World, Aix-Marseilles, France

**Area of research:** Social History, Cultural History, Transnational History

**Project title:** 'The New Left in the Arab East: Entangled Histories of Revolutionary Hopes and Violence (1956-1979)'

With this research on the New Left in the Arab world, I focus on translocal militant interactions to challenge false universalisms and entrenched dichotomies between the East and the West, the North and the South, Orient and Occident, or center and periphery. This research also participates in recent efforts to put into question the verdict of the defeat of the Left by shedding new light on the dynamics of rupture and continuity in militant and intellectual paths and, thereby, on the resilience of radical and democratic traditions in the Arab world.



### LISA M. WU

AIAS COFUND Fellow

Associate Professor, previously Northwestern University Feinberg School of Medicine, USA

**Area of research:** Biobehavioral medicine, psychosocial oncology, neuropsychology

**Project title:** 'The Role of Light and Circadian Rhythms in Cancer- and Cancer Treatment-Related Symptoms: A Prospective Controlled Study of Breast Cancer Patients during Treatment'

Circadian rhythms are the approximate 24-hour biological and behavioral rhythms important for our bodily functions. Cancer patients often experience circadian disruption, as well as significant side effects and symptoms due to cancer and its treatment. These symptoms may be driven by circadian disruption. Light exposure happens to be the strongest entrainer of circadian rhythms, and could also be important to our understanding of cancer symptoms. This project is a trans-disciplinary collaboration that seeks to determine whether circadian rhythms underlie cancer symptoms, and whether light exposure plays a role.



### LUCIA ANGELINO

AIAS COFUND Fellow

Assistant Professor, previously University Paris 1 Pantheon - Sorbonne, France

**Area of research:** Philosophy

**Project title:** 'The phenomenology of acting in synchrony with others: towards the bodily roots and sensorimotor foundations of the sense of we-agency in musical joint action'

How do individuals come to act, feel and think qua members of a team without a prior plan? In this project, I will address this question by looking at the kind of collective improvisation attained by "free jazz" at the beginning of the sixties. Combining theoretical work on the concept of collective intentionality with phenomenological analysis of a few study-cases my aim is to outline a refined notion of singular-yet-plural intentionality — beyond current thinking in analytic philosophy — by drawing on the rich and sophisticated insights offered by the phenomenological tradition.



### LUSEADRA MCKERRACHER

AIAS COFUND Fellow

Postdoc, previously McMaster University, Hamilton, Canada

**Area of research:** Nutritional Anthropology, Reproductive Health, Developmental Origins of Health and Disease

**Project title:** 'Food Insecurity during Pregnancy in Copenhagen and Aarhus: Implications of Neighborhood Vulnerability, Social Policy, and the "Ghetto Plan" for Maternal-Child Health in Urban Denmark'

Being food insecure – not having enough nutritious, culturally appropriate food or worrying about running out of food— while pregnant is associated with worse health outcomes for birthing parents and their babies. But, can a strong social safety net protect pregnant people from food insecurity? My SPOONS project investigates whether the Danish welfare state buffers Denmark's most vulnerable neighbourhoods from food insecurity. To the extent that Denmark's welfare state falls short, SPOONS also explores ways to support pregnancy food security, in the interests of building a healthier and more equitable next generation.



### MAGDALENA MALECKA

AIAS COFUND Fellow

Assistant Professor, previously University of Helsinki & IAS Princeton

**Area of research:** Philosophy

**Project title:** 'From the cyborg origins of modern economics to its automated future. Towards a new philosophy of economics'

My recent research focuses on the ways in which computers have transformed modern economics and on philosophical implications of this transformation. The project builds on the historians' work on the Cold War science, which focuses on the influence of the cyborg sciences (computer science, research on artificial intelligence, operations research, cognitive psychology and cybernetics) on the development of modern economics. I argue that if these scholars are right about the origins of modern economics, then the broadly accepted view of economics as a science of human behavior is challenged and should be revised.



### MARK JOHNSON

AIAS COFUND Fellow

Associate Professor, previously University of St Andrews, Scotland

**Area of research:** Animal biology

**Project title:** 'From dinner to winner: How individual foraging performance determines success in marine megafauna'

Predators rely on energy gained in brief encounters with prey to grow and reproduce. But these events are seldom observed in large marine predators making it unclear whether foraging is constrained by the availability of prey or the capabilities of predators. I am using unique sound-based remote-sensing tags on whales, seals, and sharks to examine predator-prey interactions at unprecedented resolution. By quantifying the sensory and bio-mechanical constraints on predators, and the individual tactics they use to forage efficiently, we may learn better how human activities impact these increasingly threatened animals.



### MARKUS RINSCHEN

AIAS COFUND Fellow

Associate Professor, Department of Biomedicine, Aarhus University and Department of Internal Medicine, University Hospital of Cologne, Germany

**Area of research:** Health and Medical Sciences

**Project title:** 'Metabolic kidney protection'

My project aims at protecting kidneys from disease. Every day, the human kidney filters 180 liters of fluids, and removes waste products in the body through the urine. Failure to do so results in kidney disease. In this project, we aim to find new mechanisms of how to protect the kidney through modulating metabolism. The overarching goal is to pinpoint precise dietary interventions for individual patients with kidney disease.



### MICAH G. ALLEN

AIAS COFUND Fellow

Associate Professor, Cambridge Psychiatry, University of Cambridge, UK

**Area of research:** Cognitive neuroscience, computational psychiatry

**Project title:** 'The Visceral Brain: A Computational Approach to the Embodied Mind'

Psychiatric illness affects one in four Europeans, resulting in extensive suffering and billions in economic loss. Thus far, psychiatric research has investigated the causes of mental illness by focusing on mechanisms solely 'within the head'. However, many illnesses are characterized and compounded by disruptions in bodily experiences and function. Indeed, I have found that signals from the heart and other organs influence how we perceive the world and make decisions. These so-called 'gut-feelings' are critical for healthy cognition; yet current models largely ignore their impact on the brain. Until we understand the mechanisms governing these brain-body interactions, our ability to both identify mental illness risk factors and develop effective treatments will be incomplete. To overcome this limitation, this project will combine innovative methods for manipulating gut feelings with computational neuroimaging of brain-body interaction, revealing new targets for embodied psychiatric treatment.



### MIE ANDERSEN

AIAS COFUND Fellow

Associate Professor, previously Technische Universität München, Germany

**Area of research:** Astrophysics, chemistry, computational catalysis

**Project title:** 'Descriptor-based modelling of the reactivity of interstellar dust grains'

The space between the stars in the Universe is not empty, but home to a variety of different rather complex materials and molecules, including sugars and amino acids. In close collaboration with partners doing astronomical observations or laboratory experiments, the aim of my project is to apply quantum mechanical calculations and recently developed machine learning methods to study whether complex molecules could be formed on silicate- or carbon-based interstellar dust grains. This is of fundamental interest since it could lead to the conditions necessary for the development of life.



### MORTEN STORM OVERGAARD

Jens Christian Skou Fellow

Professor, Dept. of Clinical Medicine, Center of Functionally Integrative Neuroscience, Aarhus University, Denmark

**Area of research:** Neuroscience

**Project title:** 'Science and subjectivity - testing the implicit assumptions in theories of the neural correlates of consciousness'

Why are we conscious, and how does consciousness relate to neural counterparts? In this project, a number of assumptions are identified that divide the waters between theories of consciousness, and which makes direct comparisons difficult. 1) Whether consciousness is rich or sparse, 2) whether it is gradual or dichotomous, 3) whether neural correlates of consciousness are specific or universal, and 4) whether they are stable or dynamic. Through a series of experiments, the project will falsify and validate these assumptions, thus informing the collective body of theories of consciousness.



### NATALIA PRIETO VIDAL

AIAS COFUND Fellow

Postdoc, previously University of Guelph, Canada

**Area of research:** Food bioactive compounds, food processing, lipid and carbohydrate chemistry

**Project title:** 'ALGOOD: Understanding the chemo-mechanical stabilization of Sargassum algae bioactive compounds in current and forthcoming food matrices'

Sargassum muticum is an invasive brown macroalga threatening ocean ecosystems equilibrium. Interestingly, brown seaweeds are a natural source of biologically active metabolites. Therefore, this macroalgae can be strategically valorized and used as a source for functional ingredients to develop foods with positive health outcomes. This project intends to develop foundational understanding of the effect of thermo-mechanical processing to improve the retention and bioaccessibility of *S. muticum* bioactives in complex food model systems. The goal is to provide critical knowledge tools for the valorization of *S. muticum* to design and produce healthy food with a positive ecological and health impact.



### NIELS CHR. HANSEN

AIAS COFUND Fellow

Assistant Professor, previously MARCS Institute, Western Sydney University, Australia

**Area of research:** Psychology, Empirical Musicology, Cognitive Neuroscience

**Project title:** 'Why humans make music: uncovering missing links in the behavioural and neuro-hormonal underpinnings of musical evolution'

Despite its cross-cultural omnipresence with evolutionary origins far beyond 40,000 years of archaeological evidence, it remains a mystery why humans invest vast resources on creating and listening to music. I conduct corpus studies, brain scans, and behavioural experiments with oxytocin nasal sprays and advanced computer models to investigate how music induces social cohesion, attracts mates, and helps us cope emotionally in crisis times such as the COVID-19 pandemic. This contributes crucial evidence for music as a complex, socially embedded, biologically underpinned, and cross-culturally universal behaviour, distinguishing humans from other species.



### PAUL CRISTESEN

AIAS COFUND Fellow

Professor, Dartmouth College, USA

**Area of research:** Ancient Greek history

**Project title:** 'Leisure as Luxury in Ancient Sparta'

Ancient Spartans have long been defined by their reputation for having lived a life of austere self-discipline in a city that resembled an army camp. I will argue that Sparta was a community founded in and fanatically dedicated to a particular form of luxury: leisure. Spartan citizens (Spartiates), both male and female, young and old, were forbidden to engage in any kind of economically productive activity. This new understanding of ancient Sparta has wider ramifications because it sheds new light on the history of citizenship and leadership in ancient Greek communities.



### PETER EBERT ANDERSEN

AIAS COFUND Fellow

Assistant Professor, previously Institute of Molecular Biotechnology (IMBA), Austria

**Area of research:** Molecular innovation in genetic conflicts

**Project title:** 'Innovation of genome regulation through arms race evolution in animals'

All life forms exist in constant conflict. Not just externally with other life forms trying to eat or out-compete it, but also within their DNA where genetic parasites populate their genomes. To protect their DNA, all organisms continuously evolve improved molecular defenses to suppress parasite proliferation. My project at AIAS aims to investigate how the innovation of the molecular arms race between host organisms and genetic parasites contribute to the general regulation of host cell biology – the spoils of war in genetics.



### PETER FAZEKAS

AIAS COFUND Fellow

Postdoc, previously Centre for Philosophical Psychology, University of Antwerpen, Belgium

**Area of research:** Philosophy, Psychology and Cognitive Neuroscience

**Project title:** 'Self-generated mental life: Developing an overarching philosophical account and a novel neuro-cognitive research paradigm'

Thoughts and images spontaneously popping into our mind are central features of self-generated mental phenomena like mind-wandering, dreaming and hallucinations. My project proposes a new model of these spontaneous thoughts and develops a novel experimental paradigm exploring whether hypnotic dreams (induced by instructions to 'have a dream' in a hypnotic state) can serve as hypnotic analogues of mind-wandering and dreaming. An affirmative answer could revolutionize how features of mind-wandering and dreaming — which are notoriously hard to study due to their spontaneous nature — could be examined in a well-controlled manner. .



### PHILIPP REICK

AIAS COFUND Fellow

Assistant Professor, previously Centre Marc Bloch, Berlin, Germany

**Area of research:** History

**Project title:** 'Making it home: A transnational history of building cooperatives and urban housing in interwar Europe, 1919–1926'

In the early 1920s, organized construction workers across Europe launched a new and powerful movement of producer co-operation. These Building Guilds and Bauhütten aimed to democratize labor relations by giving workers a say in how their everyday work was organized, how revenues would be spent, and how training and research could benefit employees and the public alike. Largely ignored by historians, this was a crucial experiment in industrial democracy. By comparing the movement in several European countries, the research project closes a striking research gap in social and labor history.



### RENEE VAN DER SLUIS

AIAS COFUND Fellow

Assistant Professor, previously the Department of Microbiology and Immunology, University of Melbourne, Australia

**Area of research:** HIV, dendritic cells, immunomodulation, therapeutic vaccine

**Project title:** 'Evaluating the effect of genetically engineered human plasmacytoid dendritic cells to induce specific anti-HIV responses and kill HIV-infected cells'

The original aim of my AIAS project was to investigate if a cell-based vaccine could be used to treat HIV infection. The idea here is that if you could provide a therapeutic vaccine that helps the person's immune system control the virus, then the need for antiviral therapy would become obsolete and this would be a functional cure for HIV. However, a new pandemic – unfortunately, the "old" HIV/AIDS pandemic is still not over – got my attention, and I started investigating the novel coronavirus. In this project, I investigate how a special type of immune cell, the plasmacytoid dendritic cell, can detect the new coronavirus and initiate an antiviral immune response. This will help in our understanding of how we initiate viral protection and why some people may not be able to do this and become severely ill by COVID-19.

**RUBEN PAUWELS**

AIAS COFUND Fellow

Associate Professor, Department of Mechanical Engineering, Catholic University of Leuven, Belgium

**Area of research:** Medical Imaging**Project title:** "'DEEP-CBCT" - Next-Generation Dental Cone-beam Computed Tomography: Artefact Reduction and Bone Quality Assessment through Deep Learning'

The use of artificial intelligence, particularly deep learning (DL), in medical imaging is evolving at an incredibly rapid rate. My main project at AIAS focuses on the use of DL for image quality enhancement in cone-beam computed tomography (CBCT). In particular, I am working on the reduction of different types of artefacts, edge-preserving noise reduction, and the concept of 'super-resolution'. Different approaches to apply these techniques either independently or in combination are considered. The outcome is expected to enhance the clinical use of CBCT considerably.

**SANDRA ECKERT**

AIAS COFUND Fellow

Associate Professor, Faculty of Social Sciences, Institute for Political Science, Goethe-Universität Frankfurt, Germany

**Area of research:** Business and Social Sciences**Project title:** 'Everyday Life in the Single European Market: Consumer and Business Perceptions'

This project examines the role of consumers and business actors in the Single European Market. How do these actors perceive European regulation, and by which means do they seek to influence evolving policies? Through its qualitative, in-depth analysis that draws on computer-assisted analysis of documents and interview data, it generates new insights into how diverging strategies in and perceptions of regulation originate. A topical question in this context is how the COVID19 crisis poses new challenges for the Single Market and thus the core of European integration.

**SEBASTIJAN RIČKO**

AIAS COFUND Fellow

Postdoc, previously University of Ljubljana, Slovenia

**Area of research:** Organic chemistry, organocatalysis**Project title:** 'New Reaction Concepts in Organocatalysis'

Chiral molecules cannot be superimposed with their own mirror image. They occur in pairs called enantiomers and have an interesting property: they interact differently with biological macromolecules, the cells or proteins in our bodies. My project focuses on using visible light as a reagent in combination with organic catalysts to favor the formation of one enantiomer over the other. My goal is to develop new reaction concepts that will overcome the current limitations of asymmetric catalysis and push the boundaries of chemical reactivity.



### SHIRU LIM

AIAS COFUND Fellow

Postdoc, previously University of Göttingen, Germany

**Area of research:** Intellectual history

**Project title:** 'The Art and Artifice of Civil Society in Enlightenment Thought'

What's so civil about civil society? Enlightenment philosophers agreed that civility was most easily achieved when efforts to that end capitalised on mankind's natural traits. Yet these efforts are at heart artifices—apparatuses designed to prop up civil society and smoothen political, economic, cultural, interpersonal interaction. My project explores the myriad social and political artifices that eighteenth-century thinkers thought might keep society civil, whilst speaking to contemporary attempts to rethink the relationship between truth and artificiality in the modern political world.



### STEFAN BARGHEER

AIAS COFUND Fellow

Assistant Professor, previously University of California (UCLA), USA

**Area of research:** Historical Sociology

**Project title:** 'Culturalism: The Remaking of Race in the American Century'

I look at the production of scientific knowledge on the relation between race and culture. During the Cold War the concept of culture took over many of the core characteristics previously assigned to race. Scholars stressed the homogeneity of cultures, their boundedness in space, and stability over time, three characteristics previously associated with an essentialist concept of race. While European countries used such an essentialist notion of race to classify people during the era of Empire, the United States as the dominant nation in the post-war world promoted essentialist notions of culture to do the very same.



### SYLVIE TESSON

AIAS COFUND Fellow

Assistant Professor, previously University of Lund, Sweden

**Area of research:** Microbial ecology, Aero-microbiology

**Project title:** 'Dispersal and ice nucleation activity in airborne microalgae – their impact on atmospheric processes'

My research aims at unveiling the dispersal capacities of microalgae over geographic scales and their interaction with the environment. These photosynthetic organisms can cause harmful events (e.g., water contaminations, dermatologic and respiratory issues) and contribute to large scale processes. At AIAS, I am investigating how microalgae are emitted into the atmosphere, the impact of atmospheric conditions on their survival, and their ice nucleation activity at warm sub-zero temperatures. Results will bring novel insights in organismal ecology, in alien species propagation, and in the role of biogenic microorganisms on atmospheric processes.



### TIJEN TUNALI

AIAS COFUND Fellow

Postdoc, previously Le Studium/ Marie Skłodowska Curie Postdoctoral Fellow, University of Tours, France

**Area of research:** Visual Sociology and Cultural Criticism

**Project title:** 'Art and Gentrification in the Changing Neoliberal Landscape'

My project examines the multifaceted relationship of gentrification and art. It focuses on Barcelona, Istanbul and Berlin—the three large global cities with international artistic hubs and a growing immigrant population. The aim of the project is twofold, namely: (1) to rethink the changing and dialectical roles of the art and artists in “new urbanism” that puts the interests of capital over the interests of ordinary inhabitants, (2) to reveal the potential of aesthetics in the critically reflecting formation of agonistic experience that constitutes democratic political culture in the urban space.



### WARD KEELER

AIAS COFUND Fellow

Professor, University of Texas at Austin, USA

**Area of research:** The performing arts and contemporary social relations in Southeast Asia

**Project title:** 'When Hierarchy Ceases to Enchant'

In my AIAS project I am working on a book entitled *When Hierarchy Ceases to Enchant* that analyzes developments in the performing arts in three Southeast Asian societies where I have done fieldwork, namely, Java and Bali (in Indonesia), and Burma (Myanmar). My project brings together two realms of intellectual inquiry—the performing arts and contemporary politics—not to look for political content in the arts but rather to demonstrate how the arts give form to unstated but highly consequential assumptions about hierarchy.



### YANXIA ZHANG

AIAS COFUND Fellow

Assistant Professor, School of Environment, Nanjing Normal University, China

**Area of research:** Environmental exposure and Health risks

**Project title:** 'Exploring phthalate contamination of globally traded vegetables produced in plastic Greenhouses'

My AIAS project mainly focuses on phthalate contamination and the health risks of food trade between the EU and China. The use of plastic films in agricultural systems outside Europe has increased phthalate contamination in food. Food is not subject to REACH regulations, thereby posing a risk of adverse health effects from global food. Thus, environmental input-output models, exposure scenario modelling, biomonitoring, and phthalate dose-response curves of diabetes are used to quantify phthalate health impacts associated with the food trade, providing science-based support for alternative policy measures.



### ZAKARIAS SJÖSTRÖM DYREFELT

AIAS COFUND Fellow

Assistant Professor, previously International Centre for Theoretical Physics Trieste, Italy

**Area of research:** Mathematics

**Project title:** 'Stable and unstable mathematical shapes'

I am working to make fundamental contributions to the mathematical understanding of complex geometric shapes. In doing so I work to develop the theory of canonical metrics introduced by Calabi in the 1950's, with a particular focus on improving understanding of the role that entropy, i.e. measures of order and disorder, play in this branch of geometry. The expected advancements are purely theoretical, and relate to questions pertinent to a conjecture of Yau, Tian and Donaldson in Kähler geometry, as well as suitable analogues for other geometric partial differential equations.

## AIAS ASSOCIATE FELLOWS

Assistant Professor **Alonso Rosas-Hernández**  
Department of Chemistry  
Aarhus University

Professor **Anders-Christian Jacobsen**  
School of Culture and Society, Systematic Theology  
Aarhus University

Professor **Anja-Verena Mudring**  
Department of Chemistry  
Aarhus University

Associate Professor **Annette Bohn**  
Department of Psychology and Behavioral Sciences  
CON AMORE, Aarhus University

Associate Professor **Brad Wray**  
Department of Mathematics – Science Studies,  
Aarhus University

Assistant Professor **Cathrin Bengesser**  
School of Communication and Culture - Media Studies  
Aarhus University

Associate Professor **Christoph Mathys**  
School of Culture and Society – Interacting Minds Center  
Aarhus University

Professor **Daniel Erik Otzen**  
iNANO and Department of Molecular Biology and Genetics  
Aarhus University

Professor **Daniele Nosenzo**  
Department of Economics and Business Economics  
Aarhus University

Professor **Dorte Krause-Jensen**  
Department of Bioscience  
– Marine Ecology and Arctic Research Centre  
Aarhus University

Assistant Professor **Edward Payne**  
School of Communication and Culture – Art History  
Aarhus University

Associate Professor **Elisa Uusimäki**  
School of Culture and Society – Biblical Studies  
Aarhus University

Assistant Professor **Elizabeth le Roux**  
Department of Biology - Ecoinformatics and Biodiversity  
Aarhus University

Assistant Professor **Felicity Davis**  
School of Pharmacy – Department of Biomedicine  
University of Queensland, Australia and Department of  
Biomedicine  
Aarhus University

Professor MSO **Felix Riede**  
Department of Archaeology and Heritage Studies, Aarhus  
University & Oslo School of Environmental Humanities, University  
of Oslo, Norway

Professor **Gregers Wegener**  
Department of Clinical Medicine  
– Translational Neuropsychiatry Unit  
Aarhus University

Assistant Professor **Ilke Uysal Ünalan**  
Department of Food Science  
Aarhus University

Assistant Professor **Jörg Krieger**  
Department of Public Health  
– Research Unit for Sport and Body Culture  
Aarhus University

Professor **Klaus Mølmer**  
Department of Physics and Astronomy  
Aarhus University

Associate Professor **Lili Zhang**  
Department of Mechanical and Production Engineering  
Aarhus University

Assistant Professor **Marcia Allison**  
School of Communication and Culture – Rhetoric  
Aarhus University

Assistant Professor MD **Markus Rinschen**  
Department of Biomedicine, Aarhus University and Department  
of Internal Medicine, University Hospital of Cologne, Germany

Assistant Professor **Qian Janice Wang**  
Department of Food Science  
Aarhus University

Associate Professor **Rodrigo Grassi-Oliveira**  
Department of Clinical Medicine – Translational Neuropsychiatry  
Unit, Aarhus University

Professor, Dr. Odont. **Rodrigo Lopez**  
Department of Dentistry and Oral Health  
Aarhus University

Assistant Professor **Ross Deans Kristensen-McLachlan**  
School of Communication and Culture – Cognitive Science  
Aarhus University

Assistant Professor **Shuai Wei**  
Department of Chemistry  
Aarhus University

Assistant Professor **Tobias Skiveren**  
School of Communication and Culture – Scandinavian Studies,  
Aarhus University and University of Oslo, Norway

# THE AIAS ASSOCIATE FELLOWSHIP SCHEME

– CONNECTING LEADING TALENT ACROSS DISCIPLINES AND ACROSS RESEARCH ENVIRONMENTS

The AIAS Associate Fellowship scheme for Aarhus University researchers was launched in April 2021 to bring AU faculty and the AIAS community together. The scheme has now 27 researchers from Aarhus University affiliated to AIAS from all five faculties. Read four short accounts from four AIAS Associates from very different research areas.

## FELICITY MAE DAVIS

AIAS Associate Fellow

Associate Professor, Department of Biomedicine & Affiliated Researcher, DANDRITE, Aarhus University, Denmark; and Group Leader, EMBL Australia Node for Single Molecule Science, University of New South Wales, Sydney, Australia

**Area of research:** Women's health, signal transduction, cell communication.

Mammalian cells reside within dynamic cellular societies, where one cell's function or fate can be determined or altered by the actions of its neighbours. So how do cells decode and transmit the messages that they receive from the cells and structures around them? These are questions that my research teams in Australia and Denmark are seeking to address. We explore how thousands of cells in the breast function to produce the milk required to fuel infant growth, and how complex networks of cells enable this fluid to be delivered into the mouth of a neonate as it nurses. By exploring how information flows between cells in the body, we also are also beginning to understand how immune cells shape the development of many of our organs or how males constantly produce sperm.

“  
I moved to Denmark in 2021 and now spend about 80% of my time here. I really value the scientific and personal connections that I have made at AIAS. Perhaps the message here is that our cells aren't the only ones that need to communicate and form long-lasting networks!

## SHUAI WEI

AIAS Associate Fellow

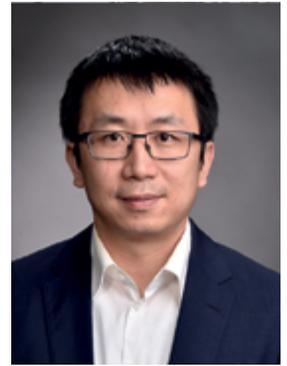
Assistant Professor, Department of Chemistry, Aarhus University, Denmark

**Area of Research:** Materials Chemistry, Materials Science, Metallurgy, X-rays and neutron sciences, Applied physics.

My research focuses on novel amorphous materials for technological innovations. I am particularly interested in phase-change materials that can be rapidly switched between the amorphous and crystalline states within a few nanoseconds. The fast switching properties can be used for future non-volatile computer memory devices. I am also developing 3D-printed novel amorphous metals, where the disordered structures make those metals extraordinarily strong, being particularly interesting for biomedical devices. My group investigates the atomic-scale structure and properties of new materials. A better understanding of the materials is a driving force for technological innovations.

“  
As an AIAS associate fellow, I appreciate the opportunities to have inspiring conversations with fellows from completely different disciplines from ancient roman history to computational polymers. I also benefit from sharing experiences about career developments with fellows in the similar career stages.

FELICITY MAE DAVIS  
SHUAI WEI



ELISA UUSIMÄKI  
DANIELE NOSENZO



#### DANIELE NOSENZO

AIAS Associate Fellow

Professor, Department of Economics and Business Economics,  
Aarhus University, Denmark

**Area of research:** Economics and Business Economics

I use the methods of behavioral and experimental economics to study the psychological mechanisms that underlie compliance with social norms, a ubiquitous feature of any human society. I am particularly interested in uncovering the causes of the dramatic differences in social norm compliance among human cultures as well as the role of formal institutions in reducing these differences. This is particularly important in the multicultural societies we live in, where different norms often clash, putting in peril the very fabric of societal life.

“  
*My research naturally draws on interdisciplinary literatures in economics, psychology, philosophy, anthropology, law and sociology, which is why I am very excited about the networking opportunities that my AIAS fellowship offers me. Knowledge exchange is at the heart of scientific progress and AIAS' vibrant, interdisciplinary community creates the ideal environment for it!*

#### ELISA UUSIMÄKI

AIAS Associate Fellow

Associate Professor, School of Culture and Society - Biblical  
Studies, Aarhus University, Denmark

**Area of research:** Theology, History of religion

I work on the literary and cultural history of Judaism. I seek to increase our understanding of ancient religions, and my starting point in this enterprise is the Jewish tradition. While there is a vast temporal and geographical distance between me and the object of my research, many cultures build on these sources and related traditions, which means that they continue to be generative.

“  
*I am fairly new to Denmark, and my fellowship has helped me build networks as well as enabling participation in events that have boosted my thinking. For instance, “Rethinking Classics: A Discussion with Josephine Quinn” gave me cross-disciplinary perspectives on various canons and their place in our research and teaching. I also hope that AIAS-related synergies will be helpful as regards the implementation of my ERC project on travel.*

» About the programme:  
[aias.au.dk/opportunities-at-aias/aias-associates](https://aias.au.dk/opportunities-at-aias/aias-associates)

# AUFF-UKRAINE RESEARCH FELLOWS

## 2022-2023



### THE AUFF-UKRAINE RESEARCH FELLOWSHIP PROGRAMME

*Immediately after the Russian invasion of Ukraine, Aarhus University and Aarhus University Research Foundation (AUFF) made a generous donation of DKK 10 million to AIAS to launch a fellowship programme for researchers affected by the war in Ukraine.*

On 8 March 2022, the call for the AUFF-Ukraine Research fellowships at AIAS, Aarhus University was opened to support researchers from any scientific discipline affected by the war in Ukraine and unable to continue their research. The fellowship programme has enabled 12 researchers from a Ukrainian research institution to continue their research and collaborate with other researchers at Aarhus University.

#### **Alina Korobeinyk**

Senior Researcher, Chuiko Institute of Surface Chemistry, National Academy of Sciences, Kyiv, Ukraine

#### **Anastasiia Bohush**

Research Scientist, Institute of Molecular Biology and Genetics, National Academy of Sciences, Kyiv, Ukraine

#### **Anastasiia Sydorenka**

Associate Professor at Bogomolets National Medical University and Medical psychologist at Ukrainian Children's Cardiac Center, Kyiv, Ukraine

#### **Anastasiia Zymarioieva**

Head of the Ecology Department in Polissia National University, and Senior researcher at The Chernobyl Radiation and Ecological Biosphere Reserve, Ukraine

#### **Boris Negrutskii**

Professor, Department of Structural and Functional Proteomics, Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Kyiv, Ukraine

#### **Elmira Muratova**

Associate Professor, Crimean Federal University/ Taurida National University Simferopol, Ukraine

#### **Lyudmyla Kolisnyk**

Senior Lecturer & Researcher, Department of Psychology, Political Sciences and Sociocultural Technologies, Sumy State University, Ukraine

#### **Mariana Kuznietsova**

Scientific consultant & Researcher, LLC Chemlaborreactiv Kyiv, Ukraine

#### **Nadiia Pavlyk**

Professor, Department of Social Technologies, Zhytomyr Ivan Franko State University, Zhytomyr, Ukraine

#### **Oleg Yarosh**

Associate Professor, Head of the History of Oriental Philosophy Research Sector, Institute of Philosophy, National Academy of Sciences of Ukraine, Kyiv, Ukraine

#### **Sophia Opatska**

Associate Professor, Vice Rector for Strategic Development, Ukrainian Catholic University Lviv, Ukraine

#### **Yevgeniya Lekomtseva**

Medical Specialist and Scientific Researcher, State Institute of Neurology, Psychiatry and Narcology, National Academy of Medical Sciences of Ukraine, Kyiv, Ukraine



#StandWithUkraine

Ukraine reduced steel production by 46% in January-April 2022 because of the war

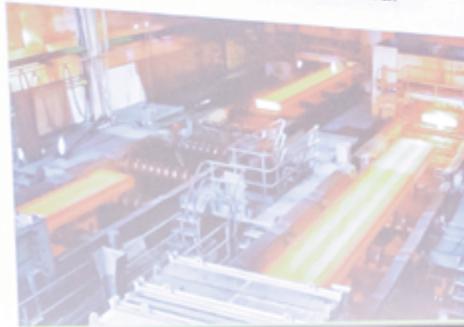
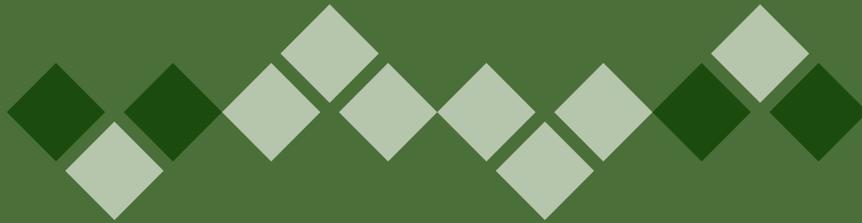


Photo: Sophia Opatska giving a talk at the event 'Ukraine Afternoon: Insights and perspectives by the AUFF-Ukraine Research Fellows,' held on 7 June 2022, at AIAS. Credit: Nicolai Hildebrandt.

# FELLOWS' PUBLICATIONS AND ACTIVITIES



In this section follows a list of the books, book chapters and journal articles **published**, external **talks** given, the **awards or grants** received and the engagement **in the media** of the AIAS Fellows in the academic year of 2021-2022.

# FELLOWS' PUBLICATIONS AND ACTIVITIES

## PUBLICATIONS – BOOKS, BOOK CHAPTERS

**Helen Van Noorden** is co-editor of the book *Eschatology in Antiquity: Forms and Functions* and lead author of the 'Introduction'. Routledge, 2021.

**Kei Hiruta** is author of the book *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity*. Princeton University Press, 2021.

**Ruben Pauwels** is author of the book chapters 'Strahlenbelastung und Strahlenschutz bei der Digitalen Volumentomographie' and 'Indikationsstellung zur Digitalen Volumentomographie' in: *Digitale Volumentomographie* by Heinz-Theo Lübbers, Karl Dula (eds.). SpringerLink, 2021.

**Andrew Newby** is co-editor of the book *Lutheranism and social responsibility*. Vandenhoeck & Ruprecht Verlage, 2022.

**Katarzyna Jażdżewska** is author of the book chapter 'Epistle, Narrative, Dialogue. Generic Interplays in Pseudo-Hippocratic Letter 17' in: *Gespräch und Erzählung: Strategien und Funktionen des Narrativen im antiken Dialog* by P. von Möllendorf, G. M. Müller (eds.). Franz Steiner Verlag, 2022.

**Sandra Eckert** is co-author of the book chapter 'Theresa May's Leadership in Brexit Negotiations: Self-Representation and Media Evaluations' in: *Women and Leadership in the European Union* by Henriette Müller and Ingeborg Tömmel. Oxford University Press, 2022.

**Bogdan C. Iacob** is author of the book chapter 'Health' in: *Socialism Goes Global. The Soviet Union and Eastern Europe in the Age of Decolonisation*. Oxford University Press, 2022.

**Katarzyna Jażdżewska** is author of the book *Greek Dialogue in Antiquity: Post-Platonic Transformations*. Oxford University Press, 2022.

**Michael G. Flaherty** is co-author of the book *The Cage of Days: Time and Temporal Experience in Prison*. New York: Columbia University Press, 2022.

**Ton Otto** is co-editor of the book *Impermanence: Exploring continuous change across cultures*. London: UCL Press, 2022.

**Jaap Timmer** is co-author of the book chapter "We are not an emblem": Impermanence and materiality in Asmat worlds' in: *Impermanence: Exploring Continuous Change Across Cultures* by Haidy Geismar et al. (eds.). London: UCL Press, 2022.

**Bridget Vincent** is author of the book *Moral Authority in Seamus Heaney and Geoffrey Hill*. Oxford University Press, 2022.

**Magdalena Malecka** is author of the book chapter 'Economics as value-laden science: Lessons from the philosophy of science on the normative/positive distinctions and the rational choice theory' in: *The Positive and the Normative in Economic Thought* by Badiei S., Grivaux A. Routledge, 2022.

## PUBLICATIONS – JOURNAL ARTICLES

**Renee van der Sluis** and Rasmus O. Bak are co-authors of the article 'Ascorbic acid supports ex vivo generation of plasmacytoid dendritic cells from circulating hematopoietic stem cells' in: *eLife*, 2 September 2021.

**Jennifer Galloway** is co-author of the article 'Exploring the role of High Arctic Large Igneous Province volcanism on Early Cretaceous Arctic forests' in: *Cretaceous Research*, 2 September 2021.

**Sandra Eckert** is author of the article 'The European Green Deal and the EU's Regulatory Power in Times of Crisis' in: *Journal of Common Market Studies*, 6 September 2021.

**Christos Tsirogiannis** is author of the article 'The antiquities market we deserve: 'Royal-Athena Galleries' (1942-2020)' in: *Acta ad archaeologiam et artium historiam pertinentia*, 13 September 2021.

**Joanna Kalucka** is co-author of the article 'Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis' in: *Star Protocols*, 17 September 2021.

**Bjørn Panyella Pedersen** is co-author of the article 'Molecular mechanism of sugar transport in plants unveiled by structures of glucose/H<sup>+</sup> symporter STP10' in: *Nature Plants*, 23 September 2021.

**Helen Van Noorden** is author of the book review 'Greeks, Jews and Sibyls' [review of A.L. Bacchi, *Uncovering Jewish Creativity in Book II of the Sibylline Oracles*. (Leiden and Boston: Brill 2020)] in: *The Classical Review*, 26 September 2021.

**Mark Johnson** is co-author of the article 'Toothed whale auditory brainstem responses measured with a non-invasive, on-animal tag' in: *Journal of the Acoustical Society of America*, 28 September 2021.

**Niels Chr. Hansen** is co-author of the article 'Oxytocin as an allostatic agent in the social bonding effects of music' in: *Behavioural Brain Science*, 30 September 2021.

**Lisa M. Wu** is co-author of the article 'Sick and tired of being sick and tired! What to do about fatigue associated with cancer and its treatment' in: *International Waldenstrom's Macroglobulinemia Foundation (IWWMF) Torch*, September 2021.

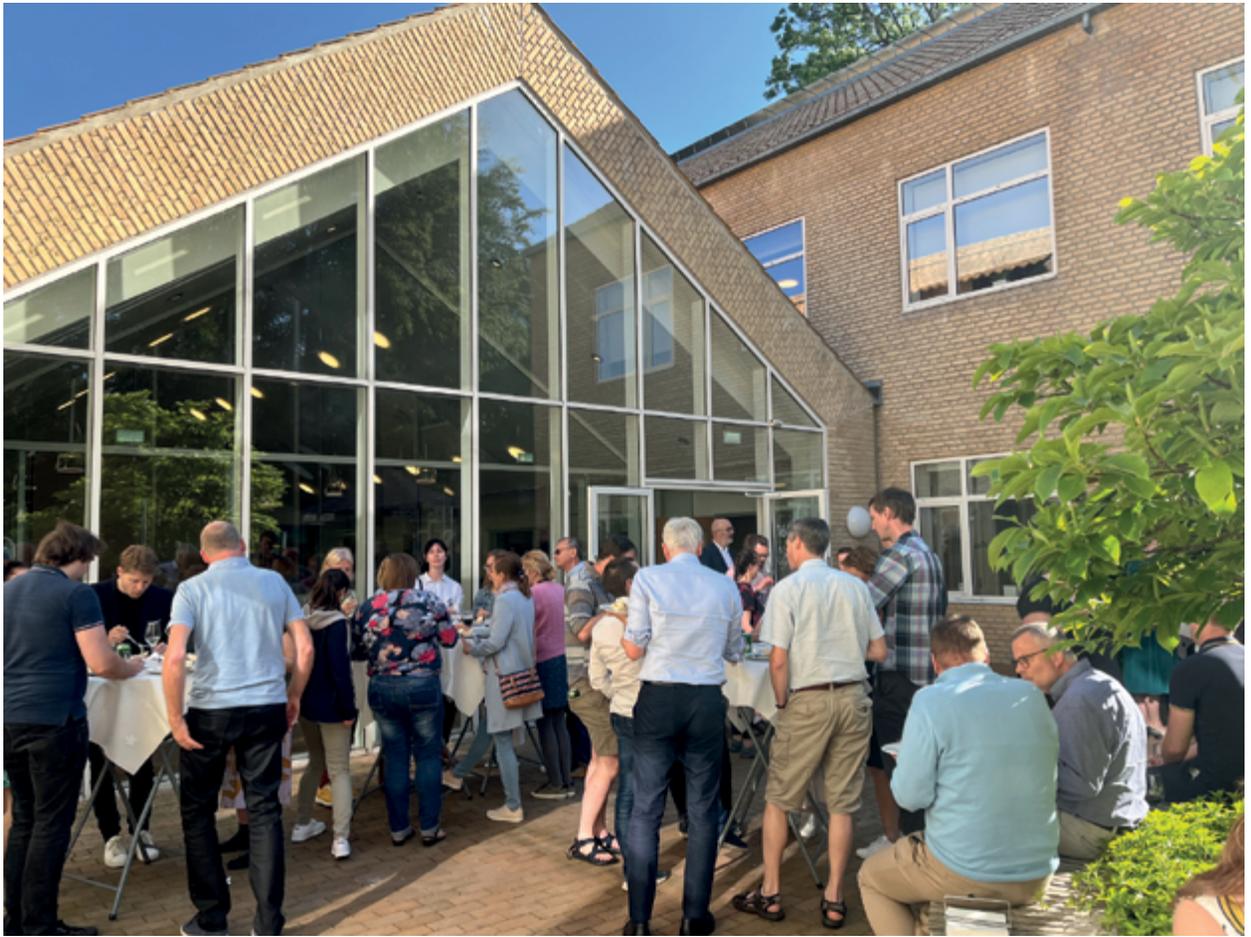


Photo: AIAS Summer Gathering, June 2022.

Credit: Lena Bering.

**Peter Fazekas** is co-author of the article 'Consciousness and inference to the best explanation: Compiling empirical evidence supporting the access-phenomenal distinction and the overflow hypothesis' in: *Consciousness and Cognition*, September 2021.

**Iza Romanowska** is co-author of the article 'Reconstructing the social, economic and demographic trends of Palmyra's elite from funerary data' in: *Journal of Archaeological Science*, September 2021.

**Ruben Pauwels** is co-author of the report 'International Atomic Energy Agency (IAEA) Safety Report No. 108: Radiation Protection in *Dental Radiology*'. September 2021.

**Tijen Tunali** is author of the article 'The Right to Urban Public Space and Aesthetic Dissensus for Democratic Citizenship' in: *Journal of Urban Cultural Studies*, September 2021.

**Stefan Bargheer** is author of the article 'Knowing America' in: *Journal of Cultural Economy*, 2 October 2021.

**Renee van der Sluis** is co-author of the article 'Antiviral Potential of the Antimicrobial Drug Atovaquone against SARS-CoV-2 and Emerging Variants of Concern' in: *ACS Infectious Dis.*, 18 October 2021.

**Yanxia Zhang** is co-author of the article 'Phthalate pollution and migration in soil-air-vegetable systems in typical plastic agricultural greenhouses in northwestern China' in: *Science of the Total Environment*, 21 October 2021.

**Klaus Mølmer** is co-author of the article 'A superradiant maser with nitrogen-vacancy center spins' in: *Science China Physics, Mechanics & Astronomy*, 25 October 2021.

**Ton Otto** is author of the book review 'Design Anthropology. Object Cultures in Transition' in: *Journal of the Royal Anthropological Institute*, 17 November 2021.

**Renée van der Sluis** is co-author of the article 'Cell-Extrinsic Priming Increases Permissiveness of CD4+ T Cells to Human Immunodeficiency Virus Infection by Increasing C–C Chemokine Receptor Type 5 Co-receptor Expression and Cellular Activation Status' in: *Frontiers in Microbiology*, 26 November 2021.

**Klaus Mølmer** is co-author of the article 'Quantum estimation of a time-dependent perturbation' in: *Physical Review A*, 29 November 2021.

**Bogdan C. Iacob** is author of the article 'Paradoxes of Socialist Solidarity: Romanian and Czechoslovak Medical Teams in North Korea and Vietnam (1951-1962)' in: *Monde(s). Histoire, Espaces, Relations*, November 2021.

**Cici Alexander** is co-author of the editorial 'Special issue on Nordic Remote Sensing: Data acquisition, algorithms and applications' in: *International Journal of Applied Earth Observation and Geoinformation*, November 2021.

**Fredrik Christiansen** is co-author of the article 'Southern right whale (*Eubalaena australis*) body condition and glucocorticoid levels at the South Africa breeding ground' in: *The Scientific Committee of the International Whaling Commission Document*, November 2021.

**Jeffrey Kerby** is co-author of the article 'Epizoochorous seed dispersal by an Afroalpine savanna primate' in: *Biotropica*, 20 December 2021.

**Luseadra McKerracher** is co-author of the article 'More voices are always better: Tackling power differentials in knowledge production and access in human biology' in: *American Journal of Human Biology*, 21 December 2021.

**Mads V. Sørensen** is co-author of the article 'Dietary K<sup>+</sup> acts as a genuine diuretic' in: *Acta Physiologica*, 4 January 2022.

**Sebastijan Ričko** is co-author of the article 'Organocatalytic Enantioselective Construction of Conformationally Stable C(sp<sup>2</sup>)-C(sp<sup>3</sup>) Atropisomers' in: *Journal of American Chemical Society*, 6 January 2022.

**Julene Aramendia** is co-author of the article 'Reviewing in situ analytical techniques used to research Martian geochemistry: From the Viking Project to the MMX future mission' in: *Analytica Chimica Acta*, 15 January 2022.

**Peter Fazekas** is author of the article 'Flat mechanisms: A reductionist approach to levels in mechanistic explanations' in: *Philosophical Studies*, 16 January 2022.

**Yanxia Xhang** is co-author of the article 'Design and evaluation of a wind turbine-driven heat pump system for domestic heating in Scotland' in: *Sustainable Energy Technologies and Assessments*, 21 January 2022.

**Jeffrey Kerby** is co-author of the article 'Growth rings show limited evidence for ungulates' potential to suppress shrubs across the Arctic' in: *Environmental Research Letters*, 2 February 2022.

**Tijen Tunali** is author of the article 'Contemporary Public Art and Dialectical Aspects of the Democratization of the Urban Public Space' in: *Public Art Journal*, 5 February 2022.

**Sandra Eckert** is author of the article 'Supranational authorities and private actors as drivers of single market integration? The state of the Union in electricity and banking' in: *Journal of European Integration*, 7 February 2022.

**Markus Rinschen** is co-author of the article 'MAGED2 controls vasopressin-induced aquaporin-2 expression in collecting duct cells' in: *Journal of Proteomics*, 10 February 2022.

**Renée van der Sluis** is first-author of the article 'TLR2 and TLR7 mediate distinct immunopathological and antiviral plasmacytoid dendritic cell responses to SARS-CoV-2 infection' in: *The EMBO Journal*, 17 February 2022.

**Christian Damsgaard** is co-author of the article 'The Opto-Respiratory Compromise: Balancing Oxygen Supply and Light Transmittance in the Retina' in: *Physiology*, 22 February 2022.

**Lisa M. Wu** is co-author of the article 'Systematic Review: Sleep Disorders Based on Objective Data in Children and Adolescents Treated for a Brain Tumor' in: *Frontiers in Neuroscience*, 22 February 2022.

**Mark Johnson** is co-author of the article 'Feeding tactics of resident Bryde's whales in New Zealand' in: *Marine Mammal Science*, 23 February 2022.

**Mie Andersen** is co-author of the article 'Water Chemistry beneath Graphene: Condensation of a Dense OH-H<sub>2</sub>O Phase under Graphene' in: *Journal of Physical Chemistry*, 23 February 2022.

**Philipp Reick** is author of the article 'American Labor and the Working Day' in: *The Oxford Research Encyclopedia of American History*, 24 February 2022.

**Natalia P. Vidal** is author of the article 'Enhancing the nutritional value of cold-pressed oilseed cakes through extrusion cooking' in: *Innovative Food Science & Emerging Technologies*, 26 February 2022.

**Lisa M. Wu** is co-author of the article 'Optimizing a Behavioral Sleep Intervention for Gynecologic Cancer Survivors: Study Design and Protocol' in: *Frontiers in Neuroscience*, 3 March 2022.

**Christian Damsgaard** is co-author of the article 'Linking environmental salinity to respiratory phenotypes and metabolic rate in fishes: a data mining and modelling approach' in: *Journal of Experimental Biology* 225, 8 March 2022.

**Bogdan C. Iacob** is author of the article 'Malaria and Decolonization: Eastern European Experts from the League of Nations to the World Health Organization' in: *Journal of Global History*, 11 March 2022.

**Christian Damsgaard** is co-author of the article 'The Opto-Respiratory Compromise: Balancing Oxygen Supply and Light Transmittance in the Retina' in: *Physiology* 37, 25 March 2022.

**Iwona Janicka** is author of the article 'Processes of translation: Bruno Latour's heterodox semiotics' in: *Textual Practice*, 28 March 2022.

**Natalia P. Vidal** is co-author of the article 'Cellular lipids and protein alteration during biodegradation of expanded polystyrene by mealworm larvae under different feeding conditions' in: *Chemosphere*, 31 March 2022.

**Sandra Eckert** is author of the article 'Sectoral Governance under the EU's Bilateral Agreements and the Limits of Joint Institutional Frameworks: Insights from EU Swiss Bilateralism for Post Brexit Relations with the UK' in: *JCMS: Journal of Common Market Studies*, 5 April 2022.



Photo: ALIAS Ukraine Afternoon Event, June 2022.

Credit: Nicolai Hildebrandt.

**Fredrik Christiansen** is co-author of the article 'Estimating the cost of growth in southern right whales from drone photogrammetry data and long-term sighting histories' in: *Marine Ecology Progress Series*, 7 April 2022.

**Lisa M. Wu** is co-author of the article 'Sleep during Oncological Treatment – A Systematic Review and Meta-Analysis of Associations with Treatment Response, Time to Progression and Survival' in: *Frontiers in Neuroscience*, 19 April 2022.

**Lau Møller Andersen** is co-author of the corrigendum 'Corrigendum to the cerebellar clock: Predicting and timing somatosensory touch.' in: *NeuroImage*, 28 April 2022.

**Helen Van Noorden** is author of a book review of Galzerano, M. (2020) 'La fine del mondo nel 'De rerum natura' di Lucrezio' in: *Gnomon* 94, April 2022.

**Jeffrey Kerby** is author of the article 'Livestock impacts on an iconic Namib Desert plant are mediated by abiotic conditions' in: *Oecologia*, 7 May 2022.

**Natalia P. Vidal** is co-author of the article 'Hemp (*Cannabis sativa* L.) protein concentrates from wet and dry industrial fractionation: Molecular properties, nutritional composition, and anisotropic structuring' in: *Food Hydrocolloids*, 10 May 2022.

**Ruben Pauwels** is co-author the article 'CBCT-based assessment of root canal treatment using micro-CT reference images' in: *Imaging Science in Dentistry*, 13 May 2022.

**Laure Guirguis** is author of the article 'Beyrouth, capitale révolutionnaire: Les nouvelles gauches arabes entre solidarité et logique de guerre (1961-1979)' in: *Monde(s) Histoire, Espaces, Relations*, 2022.

**Barbara Berger** is co-author of the article 'Brain rhythms: How control gets into working memory' in: *Current Biology*, 23 May 2022.

**Ruben Pauwels** is co-author of the article 'A review on the application of deep learning for CT reconstruction, bone segmentation and surgical planning in oral and maxillofacial surgery' in: *Dentomaxillofacial Radiology*, 23 May 2022.

**Lisa M. Wu** is co-author of the article 'Sleep and allostatic load: A systematic review and meta-analysis' in: *Sleep Medicine Reviews*, 28 May 2022.

**Jaap Timmer** is co-author of the article 'Countering Imperialism: Two intersecting anthropologies of Papuan histories' in: *AlterNative: An International Journal of Indigenous People* 18(2), 7 June 2022.

**Katarzyna Jażdżewska** is author of a book review of D. Clay, J. H. Brusuelas (2021) *Lucian, True History: Introduction, Text, Translation, and Commentary* in: *The Classical Review*, 9 June 2022.

**Sylvie Tesson** is author of the article 'Description of *Limnomonas* gen. nov., *L. gaiensis* sp. nov. and *L. spitsbergensis* sp. nov. (Chlamydomonadales, Chlorophyta)' in: *Diversity*, 14 June 2022.

**Mie Andersen** is co-author of the article 'Selectivity Trends and Role of Adsorbate-Adsorbate Interactions in CO Hydrogenation on Rhodium Catalysts' in: *ACS Catalysis*, 17 June 2022.

**Sylvie Tesson** is co-author of the article 'Mercury-Selenium Accumulation Patterns in Muscle Tissue of Two Freshwater Fish Species, Eurasian Perch (*Perca fluviatilis*) and Vendace (*Coregonus albula*)' in: *Water, Air, & Soil Pollution*, 20 June 2022.

**Magdalena Malecka** is co-editor of the Special Issue 'Women in Economics: Diversity within Europe' in: *Oeconomia – History, Methodology, Philosophy*, June 2022.

**Natalia P. Vidal** is co-author of the article 'Organocatalytic acetylation of pea starch: Effect of alkanoyl and tartaryl groups on starch acetate performance' in: *Carbohydrate Polymers*, 27 June 2022.

**Mie Andersen** is co-author of the article 'Predicting binding energies of astrochemically relevant molecules via machine learning' in: *Astronomy & Astrophysics*, 29 June 2022.

**Anja Kamp** is co-author of the article 'Intracellular nitrate storage by diatoms can be an important nitrogen pool in freshwater and marine ecosystems' in: *Nature Communications, Earth & environment*, 4 July 2022.

**Rasmus O. Bak** is corresponding author of the article 'A truncated reverse transcriptase enhances prime editing by split AAV vectors' in: *Molecular Therapy*, 8 July 2022.

**Ruben Pauwels** is co-author of the article 'Influence of head positioning during cone-beam CT imaging on the accuracy of virtual 3D models' in: *Dentomaxillofac Radiology*, 13 July 2022.

**Markus Rinschen** is co-author of the article 'Accelerated lysine metabolism conveys kidney protection in salt-sensitive hypertension' in: *Nature Communications*, 14 July 2022.

**Laura Nissin** is author of the article 'Smellscape of a Pompeian neighborhood' in: *Journal of Roman Archaeology*, 19 July 2022.

**Mie Andersen** is co-author of the article 'Predicting binding motifs of complex adsorbates using machine learning with a physics-inspired graph representation' in: *Nature Computational Science*, 25 July 2022.

**Markus Rinschen** is co-author of the article 'Restoration of atypical protein kinase C  $\zeta$  function in autosomal dominant polycystic kidney disease ameliorates disease progression' in: *Proceedings of the National Academy of Sciences*, 26 July 2022.

**Lisa M. Wu** is co-author of the article 'Examining the Efficacy of Bright Light Therapy on Cognitive Function in Hematopoietic Stem Cell Transplant Survivors' in: *Journal of Biological Rhythms*, 29 July 2022.

**Kei Hiruta** is author of the article 'How Great is the Great Divide?: On Jeremy Arnold's Aporetic Political Theory' in: *Journal of Social and Political Philosophy*, July 2022.

**Markus Rinschen** is co-author of the article 'Consensus draft of the native mouse podocyte-ome' in: *American Journal of Physiology-Renal Physiology*, 1 August 2022.

**Mie Andersen** is co-author of the article 'Graphene as an Adsorption Template for Studying Double Bond Activation in Catalysis' in: *The Journal of Physical Chemistry C*, 16 August 2022.

## EXTERNAL ACADEMIC ACTIVITIES

**Joanna Kalucka** gave the talk 'Endothelial cell heterogeneity and perturbations associated with obesity' at the Scandinavian Physiological Society SPS Annual meeting 2021, Stockholm, Sweden, 2-5 September 2021.

**Katarzyna Jażdżewska** co-organized the 12<sup>th</sup> Congress of International Plutarch Society conference *Plutarch and his Contemporaries: Sharing the Roman Empire*. A joint conference at Aarhus Institute of Advanced Studies & Cardinal Stefan Wyszyński University, Warsaw, online, 2-5 September 2021.

**Laure Guirguis** co-organized the workshop 'Global, transnational, translocal, cross-regional, or entangled histories of the Arab left: Methods, tasks, challenges' at Dipartimento di Studi Umanistici di Roma Tre, Italy, 10 September 2021.

**Katarzyna Jażdżewska** gave the talk 'Letter and dialogue in the pseudepigraphic Hippocrates' *Letter 17* at the conference *Genres in Ancient Literature*, organized by the CIX Congress of Polish Philological Association, Poznan, 16 September 2021.

**Sandra Eckert** gave the talk 'Theresa May's Leadership in Brexit Negotiations: Self-Representation and Media Evaluations' at *Deutsche Vereinigung für Politikwissenschaft (DVPW) Kongress*, 16 September 2021.

**Lisa M. Wu** gave the talk 'Light Exposure and Associations with Sleep, Fatigue, and Other Symptoms' at the EPoS Symposium, organized by The Unit for Psycho-oncology and Health Psychology, Aarhus University, 16 September 2021.

**Magdalena Malecka** gave the talk 'Towards a critical philosophy of science perspective on the behavioural public policy' at the Perspectives on Science Seminar, University of Helsinki, Finland, online, 27 September 2021.

**Renee van der Sluis** gave the talk 'Plasmacytoid dendritic cells sense SARS-CoV-2 through TLR2-IL-6 and TLR7-IFN $\alpha$  pathways that protect epithelial cells from infection' at the 2<sup>nd</sup> Infection and Inflammation Science Day, Biomedicine, Aarhus University, 29 September 2021.

**Sandra Eckert** gave the talk 'Economic Recovery and Solidarity' at the Annual Conference: The Future of the EU and German European Politics organized by the Institute for European Politics, 30 September - 1 October 2021.

**Helen Van Noorden** gave the talk 'Word-play in the *Sibylline Oracles*' at the KLS research seminar at History and Classical Studies, Aarhus University, 1 October 2021.

**Ruben Pauwels** gave the lecture 'Artificial Intelligence: Potential Impact in Dentistry' at the Faculty of Medicine and Dentistry, São Leopoldo Mandic, Brazil, 4 October 2021.

**Stefan Bargheer** gave the talk 'Surveillance and Substitution: The Ethics of Scientific Collecting and the (Un-) making of an Academic Discipline' at the Sociology Department, Uppsala University, Sweden, 4 October 2021.

**Joanna Kalucka** gave the keynote talk 'Endothelial cell transcriptome' at the 21st Meeting of the Australia & New Zealand Microcirculation Society, online, 5-7 October 2021.

**Corina-Gabriela Ciobotaru** gave the talk 'Strong transitivity, Moufang's condition and the Howe-Moore property', at the conference *Buildings 2021*, Germany, 7 October 2021.

**Ruben Pauwels** gave the talk 'Artificial Intelligence: Potential Impact in Dentistry' at the *Decoding Digital Dentistry Conference*, Dentsply Sirona, online, 9 October 2021.

**Sandra Eckert** gave the talk 'Corporate regulatory power in the EU's transition towards a circular economy' at the *16th Corporate Responsibility Research Conference CRR*, online, 13 October 2021.

**Ruben Pauwels** gave the talk 'Image Quality vs. Radiation Dose in Dental Radiology: the Multifold Role of Artificial Intelligence' at a joint webinar by the International Association of DentoMaxilloFacial Radiology & International Atomic Energy Agency, online, 22 October 2021.

**Ruben Pauwels** gave the talk 'Research Funding in Europe: Sharing Experiences' at the Fórum Integrado de Pesquisa Odontológica, online, 26 October 2021.

**Kei Hiruta** gave the talk 'Rethinking the Liberal Nationalist Canon: Fukuzawa Yukichi between Imperial Aggression and Nationalist Reaction', Department of Philosophy and the History of Ideas, Aarhus University, 27 October 2021.

**Ward Keeler** gave the talk 'Attaching Shame to Hierarchy, and Hierarchy to Some Versions of Attachment' at the Hansewissenschaftskolleg, Delmenhorst, Germany, 27 October 2021.

**Sandra Eckert** gave the talk 'Storylines of Climate Change: A Network Analysis of the EU Agencies' Discourse on Twitter' at the *Danish Political Science Association (DPSA) Annual Conference*, 29 October 2021.

**Kei Hiruta** participated in a book panel as discussant on *Stupidity in Politics: Its Unavoidability and Potential* by Nobutaka Otobe (New York: Routledge, 2021), at the 46th Annual Meeting of the Japanese Society for the History of Social Thought, online, 31 October 2021.

**Ruben Pauwels** gave the talk 'The Future of AI in Dentistry' at the UFG *International Meeting on Dental Research*, online, 3 November 2021.

**Markus Rinschen** gave the talk 'Activity Metabolomics of Hypertension' at the conference *From Biomarkers to Bioactivity: Metabolites in Kidney Diseases*, online, 4 November 2021.

**Kei Hiruta** participated in the book panel on *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity* by Kei Hiruta (Princeton University Press, 2021) with discussants Anders Berg-Sørensen (University of Copenhagen), Zoltán Gábor Szűcs (Centre for Social Sciences, Budapest), AIAS and Department of Philosophy and the History of Ideas, Aarhus University, 4 November 2021.

**Kei Hiruta** organized a research seminar on 'The challenge of living in and making sense of illiberal regimes: A normative political theoretical enterprise' with Zoltán Gábor Szűcs (Centre for Social Sciences, Budapest), AIAS and Department of Philosophy and the History of Ideas, Aarhus University, 5 November 2021.

**Sandra Eckert** gave the talk 'The EU's Green Taxonomy: The New Global Gold Standard for Industry and Financial Markets?' at the *Conference on German and Global Regulation*, Frankfurt School of Finance & Management, 5 November 2021.

**Niels Chr. Hansen** gave the talk 'Building Psychological Resilience through Creative Engagement with Coronamusic' at the workshop on Creativity and Resilience in Times of Covid-19, AIAS, 10 November 2021.

**Ruben Pauwels** gave the talk 'Dental CBCT' at the Dental Training Day, Irish Association of Physicists in Medicine EC-SIG, online, 10 November 2021.

**Mie Andersen** gave the talk 'Adsorption' at the CatLab lecture series on heterogeneous catalysis. CatLab, IRIS Adlershof, Berlin, Germany, 12 November 2021.

**Magdalena Malecka** gave the talk 'Behaviour, knowledge, policy. The novel philosophy of science perspectives on the applications of the behavioral sciences to policymaking' at the *Philosophy of Science Biannual Conference* in Baltimore, USA, online, 12 November 2021.

**Magdalena Malecka** gave the talk 'Nudge policies as a sociotechnical imaginary' at the workshop 'Science and the State' at the School of Social Science at the Institute for Advanced Study in Princeton, 12-13 November 2021.

**Lisa M. Wu** gave the talk 'Cancer-related cognitive impairment: What is it? How does it impact people's lives?' for the THE IPAAC WP4, the Innovative Partnership for Action against Cancer, at the Institut National du Cancer (INCa), France, 19 November 2021.

**Kei Hiruta** gave the talk 'Fukuzawa Yukichi's Liberal Nationalism' at the Seminar Series in Political Theory, Standing Group on Political Theory, European Consortium for Political Research, online, 24 November 2021.

**Ward Keeler** gave the talk 'Attaching Shame to Hierarchy, and Hierarchy to Some Versions of Attachment' at Centre d'Asie du Sud-Est, EHESS, Paris, 25 November 2021.

**Magdalena Malecka** gave the talk 'The cyborg origins of behavioural economics and its prominence in policymaking', a lesson from feminist philosophy of science, STS & Cold War history of behavioural science at the Seminar 'Cercle d'épistémologie économique', Université Paris I Panthéon-Sorbonne, Paris, France, 25 November 2021.

**Ward Keeler** gave the talk 'La Hiérarchie culturelle et les arts classiques en Asie du Sud-Est' at the event 'Journée d'Études' held in honor of Professor Françoise Rubellin, of the Université de Nantes, France, 26 November 2021.

**Katarzyna Jazdzewska** gave the talk 'The Gift of Words. Isocrates and his Recipients' at the Research Seminar of Classical Antiquity and its Heritage / Centre for the Study of Antiquity and Christianity, Aarhus University, 8 December 2021.

**Kei Hiruta** gave a talk at the joint book launch 'Isaiah Berlin and his Contemporaries' with author Johnny Lyons (Trinity College Dublin) and discussants Maria Dimova-Cookson (Durham University) and Henry Hardy (University of Oxford), Wolfson College, Oxford, UK, 9 December 2021.

**Magdalena Malecka** gave the talk 'Behavioural Science in Policymaking: Return of the "Human"? Lessons from the History of Cold War Science and Feminist Philosophy of Science' at the Workshop 'Economic theories, models, and policies: historical and methodological perspectives', Radboud University, The Netherlands, online, 9 December 2021.

**Jaap Timmer** gave the talk 'Moses in Melanesia: The corpus mysticum in a theocracy for the island of Malaita, Solomon Islands' at the *Constitutionalism and Civil Religion Workshop*, Alfred Deakin Institute for Citizenship and Globalisation, Deakin University, online, 9 December 2021.

**Jaap Timmer** gave the talk 'The Lion from Judah is the Only Star': Between individual self-alteration and impersonal forces in a religious movement in Solomon Island' at the workshop on *Modes of Self-Alteration Anthropology*, organized by Macquarie University and University of Malta, online, 9 December 2021.

**Katarzyna Jazdzewska** gave the keynote talk 'Did Epicureans Write Dialogues?' at the Interdisciplinary Graduate Student Conference on *Dialogue in Literature and Culture of the Ancient World*, Cardinal Stefan Wyszyński University, Warsaw, Poland, online, 9 December 2021.

**Niels Chr. Hansen** gave the talk 'Using IDyOM to investigate the expectancy dynamics of melodic cognition, composition, and improvisation' at the Music Cognition Group Meeting Seminar, London, UK, 10 December 2021.

**Sandra Eckert** gave the talk 'EU regulation between uniformity, differentiation, and experimentalism: electricity and banking compared' Seminar series of the Standing Group on the EU (SGEU) of the *European Consortium for Political Research (ECPR)*, 16 December 2021.

**Niels Chr. Hansen** gave a keynote talk 'The coronamusic phenomenon as a window into the potential adaptive function of topically tailored musical repertoires' at *SocialBRIDGES: Biological Bases of Music*, Munich, Germany, 19-20 January 2022.

**Corina-Gabriela Ciobotaru** gave the talk 'Central limit theorems on Grassmann manifolds' for the Stochastic research group, Aarhus University, Denmark, 27 January 2022.

**Shiru Lim** gave the talk 'Frederick II meets the Public Sphere: The Composition and Circulation of the Anti-Machiavel' at GHI London, online, 1 February 2022.

**Lisa M. Wu** gave the talk 'Light & Cancer: Light Exposure and cancer-related symptoms' hosted by the Nano-Lit Circadian Rhythm Research Consortium, online, 4 February 2022.

**Katarzyna Jazdzewska** gave the talk 'Female voices in Greek dialogues' at the seminar 'Mars, Venus und die Anderen – Geschlechter in der Antike' hosted by the Altertumswissenschaftliches Forschungskolloquium, Katholische Universität Eichstätt-Ingolstadt, Germany, 7 February 2022.

**Lau Møller Andersen** gave the talk 'Lillehjernen som intern tidtager' at Dansk Magisterforening, online, 8 February 2022.

**Sandra Eckert** gave the talk 'European regulation on food contact packaging: circularity, safety and sustainability', at the 4th Webinar of Cost Action CA 19124, Aarhus University, 10 February 2022.

**Helen Van Noorden** organized the hybrid workshop 'The Translation of Ancient Literary and Theological Texts' at Aarhus Institute of Advanced Studies, 25 February 2022.

**Magdalena Malecka** was co-organizer, co-leader and mentor of the Reading group 'Decolonizing economic methodology' at the Institute for New Economic Thinking, Young Scholars Initiative, during spring semester 2022, online, March - July 2022.

**Mie Andersen** gave the talk 'Machine learning in surface science and catalysis' at the Physics Days, Aalto University, Finland, online, 3 March 2022.

**Alexandra-Iulia Otiman** gave the talk 'New constructions in non-Kähler toric geometry' at Chalmers University in Gothenburg, Sweden, 4 March 2022.

**Mie Andersen** gave a science talk on 'Catalysis and CO<sub>2</sub>' at the Science Slam festival at the Planetarium, Copenhagen, Denmark, 4 March 2022.

**Corina-Gabriela Ciobotaru** gave the talk 'The Howe-Moore property' at the Representation Theory & Noncommutative Geometry Community, online, 7 March 2022.

**Lisa M. Wu** was co-organizer of the workshop 'Sleep, fatigue and circadian rhythms in cancer patients' at *World Sleep Congress*, Italy, 11-16 March 2022.

**Lau Møller Andersen** gave the talk 'Cerebellar MEG - investigating the timing capabilities of the cerebellum' at the Interactive Minds Centre, Aarhus University, 15 March 2022.

**Mie Andersen** gave the talk 'Combining machine learning and microkinetic modelling to treat complex reactions in surface catalysis' at the Spring Meeting of the American Chemical Society, San Diego, USA, 20-24 March 2022.

**Kei Hiruta** participated in the book panel on his book *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity* (Princeton University Press 2021), Waseda University, online, 21 March 2022.

**Natalia P. Vidal** gave the talk 'Improving the nutritional value of cold-pressed oilseed cakes through extrusion cooking' at the *Transcolab Summit: Trends in grain-based foods*, Portugal, 23-25 March 2022.

**Sandra Eckert** gave the talk 'Beyond green regulation' at the Forum for the Politics of the European Union, Department of Political Science, Aarhus University, 28 March 2022.

**Kei Hiruta** participated in the launch of his book *Hannah Arendt and Isaiah Berlin* (Princeton University Press, 2021), at the 4<sup>th</sup> annual Political Philosophy of Hannah Arendt Research Workshop, Leiden University, online, 29 March 2022.

**Lisa M. Wu** gave the talk 'Chronotypes in the age of COVID-19: Associations with social rhythms and psychological well-being over time' at the Center for Circadian and Sleep Medicine, Northwestern Medicine, Chicago, US, March 2022.

**Corina-Gabriela Ciobotaru** organized a reading seminar '*p*-adic analysis' at the Mathematics Department, Aarhus University, April to May 2022.

**Laure Guirguis** co-organized the workshop on 'Class, Gender and the Left, 1960s-2020s' at the Central European University, Hungary, 4 April 2022.

**Zakarias Sjöström Dyrefelt** gave the talk 'Canonical metrics on Kähler manifolds with nef canonical bundle' at the University of Bucharest/Institute of Mathematics of the Romanian Academy, online, 5 April 2022.

**Laure Guirguis** went on a field trip to Argentina and Chile to start her new project on art and politics between the Arab world and the Southern Cone, 1920s-1970s, 11-30 April 2022.

**Laura Nissin** gave the talk 'Tutkija salapoliisina [in English: Scholar as a detective]' at the Friends of Villa Lante Association webinar series, online, 12 April 2022.

**Iwona Janicka** gave the talk 'Slow Social Transformation: How Radical Can It Get?' at the *Global Klimaaktion*, Aarhus, 13 April 2022.

**Jeffery Kerby** gave the talk 'Gelada: the fascinating life of Ethiopia's 'bleeding-heart' monkey' at the seminar Vin & Videnskab, Natural History Museum of Denmark, 13 April 2022.

**Zakarias Sjöström Dyrefelt** gave the talk 'Existence of cscK metrics on smooth minimal models' at the University of Nottingham, online, 14 April 2022.

**Mie Andersen** gave the talk 'Machine learning for catalysis modelling' at the Distinguished iNANO lecture, Interdisciplinary Nanoscience Center, Aarhus University, 22 April 2022.

**Mie Andersen** gave the talk 'Data-efficient and physics-inspired machine-learning models to treat complex catalyst materials and reaction networks' at the TACO Colloquium, Technical University of Vienna, Austria, 25 April 2022.

**Niels Chr. Hansen** gave the talk 'Music's capacity for collective connection and solitary solace during the pandemic lockdowns of 2020' at PhD Course in Music Therapy Research, Aalborg University, Denmark, 26 April 2022.

**Helen Van Noorden** gave the talk 'City Destruction in the *Sibylline Oracles*' at the Centre for Advanced Studies 'Beyond Canon', Regensburg University, Germany, 27 April 2022.

**Corina-Gabriela Ciobotaru** was co-organizer of the National Mini-Conference 'Celebration of International Women in Maths Day' at the Department of Mathematics, Aarhus University, 27-28 April 2022.

**Niels Chr. Hansen** was a panel member at the Annual Conference Sangens Hus, Vejle, with the theme: 'Hvad er sangkraft set med mine øjne?' 29 April 2022.

**Corina-Gabriela Ciobotaru** gave the talk 'Chabauty limits of various subgroups of  $SL(n, \mathbb{Q}_p)$ ' at the Algebra/Topology Seminar, the Department of Mathematics, University of Copenhagen, 6 May 2022.

**Christos Tsirogiannis** gave the talk 'Stolen antiquities: Investigating known unknowns in the international market' at the Anglo - Hellenic League in London, UK, 9 May 2022.

**Zakarias Sjöström Dyrefelt** gave the talk 'Existence des métriques cscK sur variétés avec fibré canonique nef' at the Séminaire d'Analyse Complexe et Géométrie, at l'Institut de Mathématiques de Jussieu (IMJ-PRG), Paris, 10 May 2022.

**Markus Rinschen** gave the talk 'Transport omics' at the 39<sup>th</sup> IUPS Congress - International Union of Physiological Sciences, Beijing, online, 11 May 2022.

**Niels Chr. Hansen** gave the talk 'An ecological theory of rotating rhythms' at the RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion, Oslo, Norway, 11 May 2022.

**Shiru Lim** gave the talk 'How philosopher kings became enlightened despots' at Corpus Christi College, University of Cambridge, 11 May 2022.

**Peter Ebert Andersen** organized and hosted the international workshop 'Evo-chromo EMBO/NNF' bridging evolutionary and experimental approaches to DNA regulation, Hotel Marselis, Aarhus, 11-14 May 2022.

**Bridget Vincent** gave the talk 'What Klara Knew: Ethics and Attention in Ishiguro's Klara and the Sun' at the The Centre for Modernist Cultures, University of Birmingham, UK, 12 May 2022.

**Katarzyna Jażdżewska** gave the talk 'Parody and Satire in Hellenistic Philosophy: Strategies and Functions' at the Colloque international "Satire et Philosophie", Université Clermont Auvergne, Clermont-Ferrand, France, 12 May 2022.

**Christian Damsgaard** gave the talk 'Tracing eye development using spatial transcriptomics' at the 51st Sandbjerg Meeting on Membrane Transport, Sandbjerg, Denmark, 16-18 May 2022.

**Alexandra Iulia-Otman** gave the talk 'Metric and cohomological properties of Oeljeklaus-Toma manifolds' at the workshop 'Non-Kähler Geometry day', University Saclay, Paris, 17 May 2022.

**Ruben Pauwels** gave the talk 'Image processing and reconstruction revisited using deep learning' at the FDCU *International Symposium*, Bangkok, Thailand, 18 May 2022.

**Markus Rinschen** gave the talk 'Tissue proteomics to monitor stress responses in kidney disease' at the *59th ERA Congress*, Paris, 19-21 May 2022.

**Alexandra-Iulia Otman** was co-organizer of the meeting 'Aarhus - Gothenburg Complex Geometry Seminar Series' at Aarhus University, Denmark, 20 May 2022.

**Zakarias Sjöström Dyrefelt** was co-organizer of the meeting 'Aarhus - Gothenburg Complex Geometry Seminar Series' at Aarhus University, Denmark, 20 May 2022.

**Ruben Pauwels** gave the talk 'AI in medicine & dentistry' at University of São Paulo, School of Dentistry of Ribeirão Preto, Brazil, 23 May 2022.

**Laure Guirguis** was a discussant at the international workshop 'The Historicity of Democracy in the Arab and Muslim Worlds,' Leibniz-Zentrum Moderner Orient, Berlin, Germany, 23-24 May 2022.

**Lisa M. Wu** co-organized the symposium *The Time of Our Lives: Circadian Rhythms, Sleep, and Light Therapy*, Aarhus Institute of Advanced Studies, Aarhus University, Denmark, 24 May 2022.

**Markus Rinschen** gave the talk 'The tissue proteome in the multi-omic landscape of kidney disease' at the European Proteomics Amyloid Network (EPAN), University College London, 26 May 2022.

**Shiru Lim** gave the talk 'Unequal geniuses: Jean-Baptiste Dubos and Denis Diderot on stage acting and inequality in civil society' at the International Workshop on 'The Idea and Practice of Equality: Historical Perspectives', Utrecht University, The Netherlands, 27 May 2022.

**Katarzyna Jażdżewska** gave the talk 'Dio's Dialogues with Anonymous Speakers: Or. 55, 56, 60, 61 and Or. 14 & 15' at the workshop 'Dio Chrysostom and Writing the Empire', University of Cambridge, UK, 28 May 2022.

**Markus Rinschen** gave the talk 'Exploring metabolome-proteome interactions in kidney disease - from target discovery to functional validation' at Novo Nordisk, Copenhagen, Denmark, 30 May 2022.

**Niels Chr. Hansen** gave the talk 'Positivity bias and functional bifurcation in the psychological use of coronamusic during the pandemic lockdowns of 2020' at the Interacting Minds Center Seminar, Aarhus University, Denmark, 31 May 2022.

**Mie Andersen** gave the talk 'Machine learning for catalysis modelling' at the Hannu Häkkinen Group, University of Jyväskylä, Finland, May 2022.

**Ruben Pauwels** gave the talks 'Angular dependence of patient dose in cone-beam CT and its implications for automatic exposure control' and 'Beam energy vs. patient dose in cone-beam CT: a simulation study' at the 13<sup>th</sup> Asian Congress of Oral and Maxillo-Facial Radiology, Gifu, Japan, 3-4 June 2022.

**Jaap Timmer** gave the talk 'Moses in Melanesia Theology and Mystery in Anthropology' in the panel 'Materiality and Immateriality of Religious Movements in the Pacific' at the European Society for Oceanists Conference, Ajaccio, Corsica, 5 June 2022.

**Niels Chr. Hansen** gave the talk 'Sentiment analysis of corona-musicking online reveals bifurcation of pandemic coping strategies' at the *Conference on Interdisciplinary Musicology (CIM)*, Edinburgh, Scotland, 8-10 June 2022.

**Christos Tsirogianis** participated in a panel discussion 'Interdisciplinary Perspectives: Countering Cultural Property Crimes' at the *International Conference: Strengthening the fight against illicit trafficking of cultural property*, UNESCO Headquarters, Paris, France, 9 June 2022.

**Ruben Pauwels** gave the talks 'Comparative assessment of factors causing image quality degradation in CBCT: how far are we from a 'perfect' scan?' and 'European consensus on patient contact shielding: the dental perspective' at the *18<sup>th</sup> European Congress of Dentomaxillofacial Radiology*, Lublin, Poland, 9-10 June 2022.

**Ruben Pauwels** was a panelist at the 'Round table on artificial intelligence' at the *18<sup>th</sup> European Congress of Dentomaxillofacial Radiology*, Lublin, Poland, 9-10 June 2022.

**Kei Hiruta** participated in the book panel on his book *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity* (Princeton University Press, 2021), University of Tokyo, online, 11 June 2022.

**Laura Nissin** gave the talk 'Perceiving the past: historical, social and cultural aspects of sensing' at the *Perceiving after Conceiving Symposium*, AIAS, 14 June 2022.

**Philipp Reick** gave the talk 'Fighting for Food and Fuel: The History of Subsistence Protests in Central Europe' at the International Symposium: *Violencia colectiva y protesta popular en la Guerra de la Independencia* at the University of A Coruña, Spain, 16 June 2022.

**Yanxia Zhang** gave the talk 'Associations between trace elements in Danish drinking water and cardiovascular disease: a nationwide cohort study' at the 19th International Medical Geography Symposium, IMGS, Edinburgh, 19-22 June 2022.

**Alexandra-Iulia Otiman** was co-organizer of the workshop 'Kähler and non-Kähler geometry: New developments and interactions', AIAS, Denmark, 21-23 June 2022.

**Markus Rinschen** gave the talk 'Exploring metabolome-proteome interactions in kidney disease—from target discovery to functional validation' at the *2022 Control of Renal Function in Health and Disease Conference*, Virginia, US, 30 June 2022.

**Ruben Pauwels** was a panelist and speaker at the 'Round table on radiation protection in dentistry' at *II Reunião Nacional do Sindicato dos Médicos Dentistas*, Lisbon, Portugal, 2 July 2022.

**Ruben Pauwels** gave the talk 'Refresher course on medical physics & dental radiology' at the *Associação Portuguesa dos Físicos Médicos*, Lisbon, Portugal, 2 July 2022.

**Christian Damsgaard** gave the talk 'Tracing eye development using spatial transcriptomics' at the Annual Meeting of Experimental Biology, Montpellier, France, 5-8 July 2022.

**Helen van Noorden** gave the talk 'The Jewish Sibyl narrates Star Wars' at the *Visibility in Jewish-Greek Literature conference*, Cambridge UK, 14 July 2022.

**Ward Keeler** gave the talk 'Authenticity as fall-back when all else fails' at the *17<sup>th</sup> European Association of Social Anthropologists Biennial Conference*, Queens University, Belfast, 27 July 2022.

**Jaap Timmer** gave the talk 'Becoming a Prophet in Solomon Islands' in the Panel PO92 - Devotional Means of Self-Transformation at the *17<sup>th</sup> European Association of Social Anthropologists Biennial Conference*, Queens University, Belfast, 28 July 2022.

**Ruben Pauwels** gave the talk 'A practical guide to AI research in medical imaging' at the 2nd Virtual Meeting of the *Asociación Latinoamericana de Radiología e Imagenología Dentomaxilofacial*, online, 30 July 2022.

**Christian Damsgaard** went on a fieldtrip to collect data for his research project at the National Institutes of Health, Bethesda, MD, USA, 1 August - 5 September 2022.

**Elmira Muratova** co-organized the 'Forum on Past and Future of Islamic Thought in the CIS Countries' at the Institute of Knowledge Integration, Istanbul, 1-8 August 2022.

**Niels Chr. Hansen** gave three talks 'Convergence of positive and negative emotions in online corona-musicking during lockdown', 'Causal evidence for timbral underpinnings of instrument-specific absolute pitch in expert oboists' and 'Linked auditory and motor patterns in the improvisation vocabulary of an artist-level jazz pianist' at the *Society for Music Perception and Cognition Conference (SMPC)*, Portland, US, 4-7 August 2022.

**Bridget Vincent** gave the talk 'Ekphrasis and ethical self-reflexivity in contemporary Australian poetry' at the Centre for Australian Literary Cultures, Australian National University, Australia, 11 August 2022.

**Laura Nissin** gave the talk 'The boundaries of sleep: security and secrecy of Roman bedrooms' at the conference *Passages from Antiquity to the Middle Ages VIII: Experiencing Space*, University of Tampere, Finland, 18 August 2022.

## AWARDS, APPOINTMENTS AND GRANTS

**Mie Andersen** is guest editor of the multidisciplinary journal *Electronic Structure*, in the topic 'Focus on Tailoring the Electronic Structure of Heterogeneous Catalysts'.

**Sandra Eckert** received the German-Israeli Foundation (GIF) grant of EUR 73,988 for the joint project 'Regulating the Circular Economy and Plastics in the OECD World (REGCIRC)'. Awarded: October 2021.

**Markus Rinschen** received a grant of DKK 4.7 million for the project 'Metabolic modulation of podocyte mechanotransduction' by the Carlsberg Foundation Young Researcher Fellowship. Awarded on: 7 December 2021.

**Fulvio Reggiori** received a Novo Laureate Research grant of DKK 50 million from the Novo Nordisk Foundation to study and answer key unsolved questions in the field of autophagy. Awarded on: 26 January 2022.

**Peter Ebert Andersen** received an Infrastructure grant by the Carlsberg Foundation for an apparatus for sensitive detection of rare DNA and protein molecules. Awarded: January 2022.

**Corina-Gabriela Ciobotaru** received a Carlsberg Foundation grant of DKK 58,000 to organize an international conference 'Building(s) in Aarhus.' Awarded on: 31 March 2022.

**Peter Ebert Andersen** was selected board member at Randers Statsskole (high school) from 1 May 2022. Appointed: April 2022.

**Joanna Kalucka** received a Novo Nordisk Foundation Tandem Grant of DKK 10 million for a cross-disciplinary project with Dr Lena-Christin Conradi, University of Göttingen, General, Visceral and Pediatric Surgery to apply new methods to improve therapy for colorectal cancer liver metastases. Awarded: May 2022.

**Laure Guirguis** received a Humboldt fellowship for experienced researchers, to be carried out at the Lateinamerika-Institut at the Freie Universität, Berlin, and the Leibniz-Zentrum Moderner Orient (ZMO), Berlin from May 1, 2023 to December 31, 2024. Awarded: May 2022.

**Lisa M. Wu** received a grant of DKK 1.8 million for the project 'Contextualized neuropsychological rehabilitation for CNS cancer survivors: The 'I'm aware: Patients and Carers Together' (ImPACT) Program' by the Danish Cancer Society in the period of 1 May 2022 to 30 April 2025. Awarded: May 2022.

**Kei Hiruta** was elected a Fellow of the Royal Historical Society, May 2022.

**Lau Møller Andersen** was appointed a member of the Danish Young Academy of the Royal Danish Academy of Sciences and Letters, June 2022.

**Magdalena Malecka** was elected a Member of the Board of the International Network for Economic Method, June 2022.

**Lisa M. Wu** was appointed a board member of the Society for Light Treatment and Biological Rhythms, July 2022.

## IN THE MEDIA

**Niels Chr. Hansen** participated in the programme 'Puls' on Danish national radio DR P2 on corona and music 'Corona fik os til at værdsætte musik endnu højere', on: [dr.dk/lyd/p2/p2-puls](https://dr.dk/lyd/p2/p2-puls), 3 September 2021.

**Niels Chr. Hansen** gave an interview to the Danish newspaper *Kristeligt Dagblad* on a new study on the brain and music for the article 'Nyt studie: Hjernen forudser fremtiden, når man lytter til musik' on: [kristeligt-dagblad.dk](https://kristeligt-dagblad.dk), 6 September 2021.

**Niels Chr. Hansen** participated in the 'Brainstorm' podcast series on *Videnskab.dk* about his research on the brain as a prediction machine 'Er hjernen blot en 'forudsigelses-maskine'? on: [videnskab.dk](https://videnskab.dk), 24 September 2021.

**Niels Chr. Hansen** gave an interview to *Videnskab.dk* for the article 'Hjerneforskere er tossede med at bruge musik til at undersøge hjernen' on: [videnskab.dk](https://videnskab.dk), 29 September 2021.

**Jeffrey Kerby** contributed with photos to a photo exhibition discussing the ecology of mutualisms in nature, 'The altruism dilemma' in the Trento Science Museum, Italy, 5 November 2021 - 3 April 2022.

**Kei Hiruta's** book was reviewed in the article 'Hannah Arendt and Isaiah Berlin' Review: Clash of the Titans' in: *The Wall Street Journal*, 5 November 2021.

**Christos Tsirogiannis** gave an interview to the Italian magazine *L'Espresso* for the article 'Archeologo e 007 Il cacciatore di reperti terrore delle case d'asta' in: *L'Espresso*, 5 December 2021.

**Christos Tsirogiannis'** research was mentioned in the The New York Times for the article 'Michael Steinhardt, Billionaire, Surrenders \$70 Million in Stolen Relics': online at: [nytimes.com/2021](https://nytimes.com/2021), 7 December 2021.



Photo: Monday lunch in the ALAS Hall, February 2022.  
Credit: Lars Kruse.

**Christos Tsirogiannis'** research was mentioned in the *The Guardian* in the article 'Antiquities for auction could be illicitly sourced, archaeologist claims' online at: [theguardian.com](https://www.theguardian.com), 7 December 2021.

**Christos Tsirogiannis** gave an interview to *The Guardian* for the article 'Rapacious' US billionaire gives up \$70m of plundered artefacts' in: *The Guardian*, 8 December 2021.

**Christos Tsirogiannis** gave an interview to *Axios Re:Cap radio* for the podcast 'What's lost when antiquities are stolen' on: *Axios Re:Cap radio* (US), 9 December 2021.

**Christos Tsirogiannis** gave an interview to the Danish newspaper *Politiken* for the article 'Han jagter kunstens banditter' in: *Politiken*, 20 December 2021.

**Niels Chr. Hansen** gave a commentary to *Weekendavisen* on the evolution of music for the article 'Da musikken blev født' in: *Weekendavisen*, 23 December 2021.

**Niels Chr. Hansen** gave an interview to the Danish radio broadcast *DR P3 Morgen* about the evolution of music on: [dr.dk/lyd/p3/p3-morgen](https://dr.dk/lyd/p3/p3-morgen), 27 December 2021.

**Niels Chr. Hansen** gave an interview to *Videnskab.dk* about a study on music listening on Spotify for the article 'Fra Rihanna til Robbie Williams: Spotifys data hjælper musik-forskning' on: [videnskab.dk/kultur-samfund](https://videnskab.dk/kultur-samfund), 28 December 2021.

**Niels Chr. Hansen** gave an interview to *Radio4* about a study on music listening on: [radio4.dk/program/morgen-r4dio](https://radio4.dk/program/morgen-r4dio), 29 December 2021.

**Niels Chr. Hansen** gave a live interview on his research on corona music to the Danish television channel *TV2* for the broadcast *TV2 Go' Aften*, 11 January 2022.

**Laura Nissin** gave an interview in Finnish 'Tunteita ja tuoksuja antiikin Roomassa – aistikokemukset tutkimuksen kohteena' to the Parlotoria Podcast at the Finnish Institute in Rome. Season 2, episode 5, 20 January 2022.

**Niels Chr. Hansen** gave an interview on his research on music evolution to the Danish national radio broadcast, *DR P2 Udsigten*, for the episode 'Musikforskere', on: [dr.dk/lyd/p2/udsigten](https://dr.dk/lyd/p2/udsigten), 24 January 2022.

**Niels Chr. Hansen** gave an interview for the 'Pilestræde' podcast series on *Berlingske.dk* about animals and music from an evolutionary perspective 'Philip Faber, tonedøve orangutang og den første musik' on: [omny.fm](https://omny.fm), 8 February 2022.

**Laura Nissin** is co-author of the blog post 'Onko tiede avointa kaikille? Katsaus tiedeinstituuttien tutkijoiden tilanteeseen' on the University of Helsinki Think Open-blog, 15 February 2022.

**Kei Hiruta** gave an interview to the Danish newspaper *Weekendavisen* for the review article 'Allergisk over for fru Arendt' in: *Weekendavisen*, 17 February 2022.

**Kei Hiruta** gave an interview to New Books Network for a podcast on his book *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity*, online at: [newbooksnetwork.com](https://newbooksnetwork.com), 28 February 2022.

**Søren Keiding** gave an interview to *Videnskab.dk* for the article 'Aarhus Universitet er klar til at tage imod forskere på flugt fra Ukraine' on the opening of AUFF-Ukraine Research fellowships at AIAS, 10 March 2022.

**Søren Keiding** gave an interview to *ScienceReport* for the article 'Aarhus Universitet opretter forskerstillinger til ukrainske flygtninge' on the opening of AUFF-Ukraine Research fellowships at AIAS, 10 March 2022.

**Jeffrey Kerby's** photos was featured in the article 'Cinq faits à savoir sur le réchauffement du climat en Arctique, selon une écologue' in: *Radio-Canada*, 12 March 2022.

**Kei Hiruta** gave an interview to the Norwegian newspaper *Klassekampen* for the article 'Hannah Arendts bitreste fiende' in: *Klassekampen*, and online, 12 March 2022.

**Christos Tsirogiannis** gave an interview to the newspaper *The Observer* for the article 'Fresco fragment from Pompeii reopens row over 'looted' artefacts' in: *The Observer*, and online at *The Guardian*, 20 March 2022.

**Alina Korobeinyk** gave an interview to the magazine *Forskerforum* about her AUFF-Ukraine Research Fellowship at AIAS for the article 'Der ligger hele tiden en skygge og spørgsmålet: hvad sker der med mit land?' on: [forskerforum.dk](https://forskerforum.dk), and in the magazine *ForskerForum*, 5 April 2022.

**Niels Chr. Hansen** gave an interview on the radioprogram '*P2 Udsigten*', about the powers of music, including first radio broadcast of a recording of Niels Chr. Hansen performing one of Sergei Rachmaninov's *Études-Tableaux*, 13 April 2022.

**Christos Tsirogiannis** gave an interview to *The Guardian* for the article 'Roman sculpture up for auction in US linked to disgraced dealer' in: *The Guardian* and online, 24 May 2022.

**Christos Tsirogiannis** gave an interview to *The Guardian* for the article 'The New York DA's office fighting to stop trade of looted antiquities' in: *The Guardian* and online, 30 May 2022.

**Anastasiia Sydorenko** gave an interview to the magazine *Omnibus* about her AUFF-Ukraine Research Fellowship at AIAS for the article 'Min sjæl er i Ukraine' on: *omnibus.au.dk*, 22 June.

**Oleg Yarosh** gave an interview to the magazine *Omnibus* about his AUFF-Ukraine Research Fellowship at AIAS for the article 'Du kan ikke arbejde, når du tre gange om dagen må søge tilflugt fra raketter og bomber i en kælder' on: *omnibus.au.dk*, 22 June 2022.

**Søren Rud Keiding** gave an interview to the magazine *Omnibus* about the AUFF-Ukraine Research Fellowship programme at AIAS for the article 'Tung udvælgelse: Et afslag kan have fatale konsekvenser' on: *omnibus.au.dk*, 22 June 2022.

**Søren Rud Keiding** gave an interview to radio *DR P4 Weekend* on the AUFF Ukraine research fellowships at AIAS, 25 June 2022.



# AIAS 10 YEAR ANNIVERSARY



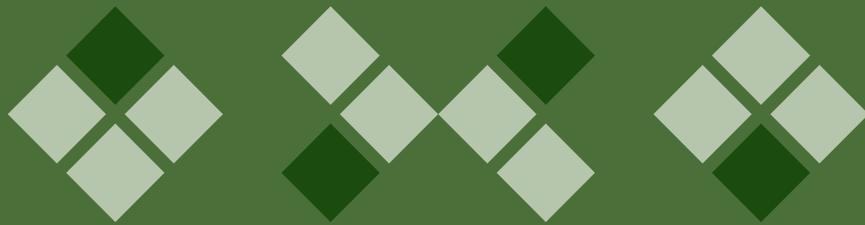
➔ **13 June 2023**

Next year AIAS celebrates its 10-year anniversary. Mark your calendar to help us celebrate 10 years with inspiring, interdisciplinary and international collaboration and exchange.

Sign up for our Newsletter, to know more:

[aias.au.dk/events/newsletter](https://aias.au.dk/events/newsletter)

# EVENTS AT AIAS



In this section, you can find a **selection of the events at AIAS** organized by the AIAS fellows, by Aarhus University faculty members or by external collaborators in the year of 2021-2022. We hope the great variation in topics and formats will inspire you. AIAS is always open for **collaboration and exchange...**



Photo: AIAS Fellows, Associates and Staff at Welcome lunch at AIAS, February 2022. Credit: Lars Kruse.

## EVENTS AT AIAS

**Conference: Popular Receptions of Classical Antiquity.** 2-day conference in collaboration between the research programme Classical Antiquity and its Heritage, the Centre for the study of Antiquity and Christianity (C-SAC) and AIAS. Organised by Arts, 2-3 September 2021.

**AIAS Joint Conference: 12 International Congress of the Plutarch Society.** 4-day online conference on Plutarch and his Contemporaries, hosted by AIAS Fellow Katarzyna Jazdzewska, 2-5 September 2021.

**AIAS Seminar Series:** 'Chirality: A fundamental property of matter' by AIAS Fellow Sebastijan Ričko, 6 September 2021.

**Professor Inaugural Lecture:** 'Looking inside microbes to understand survival and antibiotic resistance' by Ditlev E. Brodersen, Department of Molecular Biology and Genetics, Aarhus University, 8 September 2021.

**AIAS Virtual Seminar:** 'Return to Meaning: A Social Science with Something to Say' by invited speaker Roland Paulsen, Business Administration, Lund University, Sweden, 13 September 2021.

**AIAS at CSS Colloquium:** 'Medical Modernity across Peripheries: Eastern Europe, Global Health and the Cold War' by Former AIAS Fellow Bogdan Iacob, 15 September 2021.

**AIAS Research Seminar:** 'State Socialism and Racism: International Law, Anti-apartheid and Health' co-convended by AIAS Fellows Stefan Bargheer and Kei Hiruta with Former AIAS Fellow Bogdan C. Iacob and Raluca Groseanu, National University of Political Studies and Public Administration, Bucharest, 16 September 2021.

**AIAS Book Launch:** 'Simulating the Complexity of Societies with Agent-Based Modelling' organized by AIAS Fellow Iza Romanowska, 16 September 2021.

**AIAS Seminar Series:** 'Right, Wrong and World-End: Reframing the Sibylline Oracles' by AIAS Fellow Helen Van Noorden, 20 September 2021.

**14th International Symposium on Algorithmic Game Theory (SAGT).**

4-day symposium bringing together researchers from Computer Science, Economics, Mathematics, Operations Research, Psychology, Physics, and Biology. Organizer: Dept. of Computer Science, Aarhus University, 21-24 September 2021.

**BrainHygge Network:** 'The good, the bad, and the truth about cannabinoids and brain disorders' by Former AIAS Fellow Samia Joca, Dept. of Biomedicine, Aarhus University, 24 September 2021.

**AIAS Film Screening:** *I am the People* by Anna Roussillon (2014), organized by AIAS Fellow Laure Guirquis, 26 September 2021.

**AIAS Virtual Seminar:** 'In Defence of Universities: Higher education and its enemies in early modern Europe' by invited speaker Dr Richard Serjeantson, Trinity College, University of Cambridge, UK, 27 September 2021.

**AIAS at Aarhus Seminars in Classical Studies, AU:** 'Word-Play in the Sibylline Oracles' by AIAS Fellow Helen Van Noorden. Organizer: Dept. of Classical Studies, Aarhus University, 1 October 2021.

**AIAS Seminar Series:** 'A City in a Desert: What can we learn about urban resilience from ancient Palmyra?' by AIAS Fellow Iza Romanowska, 4 October 2021.

**AIAS at Cultural Transformation Seminar, AU:** 'Art and Gentrification in the Changing Neoliberal Landscape' by AIAS Fellow Tijen Tunali. Organizer: Cultural Transformations Research Group, Arts, Aarhus University, 8 October 2021.

**AIAS Seminar Series: Introduction Research Presentations.** All new Fellows and AIAS Associates present their research in short 6-minute presentations, 14 October 2021.

**AIAS Seminar Series:** 'What is Quality? An Introduction to Criticism Using Film & Wine' by AIAS Associate Fellows Qian Janice Wang (Food Science) and Cathrin Bengesser (Media Studies), 25 October 2021.

**Conference: 4th Danish Quantum Community Conference.** The Danish quantum technology stakeholders. Co-organizer Nikolaj Zimmer, Dept. of Physics and Astronomy, Aarhus University, 28 October 2021.

**AIAS Seminar Series:** 'Causes and Consequences of Microalgae Dispersal' by AIAS Fellow Sylvie Tesson, 1 November 2021.

**14th International Conference of Students of Systematic Musicology (SysMus21).** 3-day hybrid conference with talks, poster sessions, workshops, and networking. Organized by Center for Music in the Brain (MIB) and AIAS Fellow Niels Chr. Hansen, Aarhus University, 3-5 November 2021.

**Book panel:** Discussion of the book *Hannah Arendt and Isaiah Berlin: Freedom, Politics and Humanity* by Kei Hiruta (Princeton University Press, 2021). Organized by Dept. of Philosophy and AIAS Fellow Kei Hiruta, 4 November 2021.

**AIAS & Philosophy and History of Ideas Joint Seminar:** 'The challenge of living in and making sense of illiberal regimes: A normative political theoretical enterprise' by Zoltán Gábor Szűcs, Centre for Social Sciences, Budapest. Co-hosted by AIAS and the Research Unit for the History of Political and Economic Ideas, Philosophy & History of Ideas, Aarhus University, 5 November 2021.

**AIAS, SCAS & TIAS Workshop: Interdisciplinary theory and research careers.** First workshop in a series of three workshops on the Nordic IAS models and interdisciplinary research practices. Co-organized by AIAS, SCAS, Sweden & TIAS, Finland. Held in Uppsala, Sweden, 8 November 2021.

**AIAS Workshop: Creativity and Resilience in Times of Covid-19.** 1-day event aiming to address the role of creativity as a tool for resilience in the midst of a global pandemic by investigating the renewed role of the visual arts and music. Organized by AIAS Fellow Tijen Tunali, 10 November 2021.

**Network event:** 'Inflammation Network Day.' Organizer: the Inflammation Network, Faculty of Health, Aarhus University, 11 November 2021.

**DANWISE event:** 'Lead the Future'. Four female leaders giving inspirational talks on their leadership journeys. Organizer: the Danish Society for Women in Science (DANWISE), 16 November 2021.

**Network event:** 'Membranes Theme Day'. Organizer: the Membranes network, Department of Biomedicine, Faculty of Health, Aarhus University, 18 November 2021.

**AIAS Seminar Series:** 'Predictors of the development and course of mental disorders' by invited speakers Søren Dinesen Østergaard, Former AIAS Fellow and Rodrigo Grassi-Oliveira, AIAS Associate Fellow, 22 November 2021.

**Network event: 'Annual meeting:** The Personalised Medicine Network.' Organizer: the Personalised Medicine network, Department of Biomedicine, Faculty of Health, Aarhus University, 25 November 2021.

**AIAS Seminar Series:** 'Arctic Ecology in a Color: What does it mean when the Arctic turns green(er)?' by AIAS Fellow Jeffrey Kerby, 29 November 2021.

**AIAS at Moesgaard Campus and Museum.** Visit for AIAS Fellows and AIAS Associate Fellows including a guided tour of the museum by former AIAS Fellow, Prof Ton Otto, and a talk by AIAS Associate Fellow, Prof Felix Riede, 30 November 2021.

**Seminar:** 'Nudging and Behavioral Change'. Organizer: the Centre for Integrative Business Psychology, BSS, Aarhus University, 1 December 2021.



AIAS Monday Lunch in the Hall. Credit: Lars Kruse.

**AIAS Networking Event on Asia Minor Studies.** Network and exchanging knowledge for researchers and students who work with Asia Minor. Organized by AIAS Fellow Hale Güney, 3 December 2021.

**AIAS Seminar:** On the funding landscape and funding opportunities in Denmark and internationally for AIAS Fellows and Associates. Organized in collaboration with the AU Research Support Office, 10 December 2021.

**AIAS Seminar Series:** 'Balancing oxygen supply and light transmittance in the retina' by AIAS Fellow Christian Damsgaard, 13 December 2021. Professor Inaugural Lecture: Jan Wolff, Dept. of Dentistry and Oral Health, Aarhus University, 11 January 2022.

**European NetIAS Lectures Series:** 'Evolution of the Radiology Profession due to Artificial Intelligence' by AIAS Fellow Ruben Pauwels, online event, 27 January 2022.

**WoMan Network Meeting.** Meeting to facilitate a friendly, supportive network for women in Mathematics at Aarhus University. Co-initiator AIAS Fellow Corina-Gabriela Ciobotaru and colleagues at the Department of Mathematics, Aarhus University, 27 January 2022.

**PhD Defense:** 'Hinterlands and Heartlands in the Green Transition: Regional Perspectives on Novel Biomass Exploitation' by Lotte Dalgaard Christensen, Dept. of Environmental Science, Aarhus University, 9 February 2022.

**AIAS Seminar Series:** Introduction Research Presentations. All new Fellows and AIAS Associates present their research in short 6-minute presentations, 10 February 2022.

**AIAS Workshop: Cross-regional Studies Today:** Tasks and Challenges. One-day workshop with talks and discussions, organized by AIAS Fellow Laure Guirguis, 16 February 2022.

**AIAS Seminar Series:** 'Materials that Accelerate Chemical Reactions: From Chemical Reactors to the Interstellar Space' by AIAS Fellow Mie Andersen, 21 February 2022.

**PhD Defense:** 'Cable bacteria in vegetated aquatic systems' by Vincent Valentin Scholz, Dept. of Biology – Microbiology, Aarhus University, 23 February 2022.

**AIAS Workshop: The Translation of Ancient Literary and Theological Texts.** Workshop with short presentations and discussions aimed at highlighting new or underrepresented issues in translating ancient texts as well as reflecting on the value of translation in relation to philological activity past and present. Organized by AIAS Fellow Helen Van Noorden, 25 February 2022.

**WoMan in Maths network:** PhD in Maths info event on applying for and doing a PhD in Maths in Aarhus. Organized by WoMan in Maths with participation of AIAS Fellow Corina-Gabriela Ciobotaru, 2 March 2022.

**AIAS Seminar Series:** 'Constitutional Democracy and the Corporation' by AIAS Fellow David Ciepley, 7 March 2022.

**AIAS, SCAS & TIAS Workshop: Interdisciplinary methods – Building Collaboration, Networks, and Trust.** Second workshop in a series of three workshops on the Nordic IAS models and interdisciplinary research practices. Co-organized by AIAS, SCAS, Sweden & TIAS, Finland. Held at AIAS, 8-9 March 2022.

**Focus Group Meeting:** 'Single cell RNA/spatial transcriptomics Focus Group Meeting'. Initiation of a Focus Group for AU researchers working with single cell/spatial transcriptomics technologies across faculties by AIAS Fellows Joanna Kalucka (Biomedicine) and Christian Damsgaard (Zoophysiology), 10 March 2022.

**AIAS Seminar Series:** 'Food (in)security during pregnancy' by AIAS Fellow Luseadra McKerracher, 21 March 2022.

**AIAS Networking Event:** Asia Minor Studies II. Network for researchers and students working on Asia Minor at Aarhus University. Organized by AIAS Fellow Hale Güney, 24 March 2022.

**AIAS Film Screening:** *The Skin of Others*. Screening and director's Q&A with director Tom Murray on *The Skin of Others*, award-winning documentary about the life of the indigenous Australian human rights activist Douglas Grant. Organized by AIAS Fellows Jaap Timmer and Laure Guirguis, 27 March 2022.

**AIAS Career Event:** 'Tips and Tricks to a Career in Denmark' by Former AIAS Fellows Anna Neuheimer (Biology) and Shubiao Wu (Agroecology), 28 March 2022.

**AIAS Breakfast Talk:** 'The Impact of Light on Human Health: What Do We Know?' A discussion of current research projects and activities by the visiting NetIAS CAT group "Light and Human Health," 1 April 2022.

**PhD Defense:** 'Optimisation of plant-based wastewater treatment systems: Evapotranspirative willow systems and materials for P recovery' by Solvei Mundbjerg Jensen, Dept. of Biology, Aarhus University, 1 April 2022.

**AIAS Seminar Series:** 'When Hierarchy Ceases to Enchant' by AIAS Fellow Ward Keeler, 4 April 2022.

**Conference: Astronomy meets Surface Science: Theoretical Frontiers.** Four-day conference organized by Center for Interstellar Catalysis, Dept. of Physics and Astronomy, Aarhus University and AIAS Fellow Mie Andersen, 5-8 April 2022.

**AIAS Seminar Series:** 'Phthalate risks from food: Phthalate exposure risks from global food trade' by AIAS Fellow Yanxia Zhang, 25 April 2022.

**AIAS Event:** 'Rethinking Classics: A Discussion with Josephine Quinn'. Part of the series on Intellectual Historians and Anti-Racism convened by AIAS Fellow Shiru Lim, 26 April 2022.

**Symposium: For the Time Being – Temporality, Ethics, Aging: Conversations between Anthropology, Art, and Philosophy.**

Three-day symposium with more than 12 invited speakers organised by VIVE – The Danish Center for Social Science Research and Dept. of Anthropology, Aarhus University, 27-29 April 2022.

**AIAS at the 2022 Festival of Research on Time.** Contribution with two 20-minute speed lectures: 'Is there ever a good time for despotism?' by AIAS Fellow Shiru Lim and 'Can we learn from the past?' by AIAS Fellow Iza Romanowska, 28 April 2022.

**AIAS Seminar Series:** 'Literature's contribution to scientific knowledge: How some European novelists developed a new Darwinian view of human nature' by invited speaker Dario Maestriperi, University of Chicago, USA, 2 May 2022.

**AIAS Symposium: On the Economy of Galatia (central Anatolia) from the Hellenistic Period to the Ottoman Times.** One-day international symposium investigating the production, consumption, and distribution patterns of Galatia. Organized by AIAS Fellow Hale Güney, 5 May 2022.

**AIAS, SCAS & TIAS Workshop: Interdisciplinary practice – Towards a Nordic Approach.** Third workshop in a series of three workshops on the Nordic IAS models and interdisciplinary research practices. Co-organized AIAS, SCAS, Sweden & TIAS, Finland. Held at TIAS, Finland, 5-6 May 2022.

**AIAS Seminar Series:** 'Kinshipping in Solomon Islands: Divining the Past for a Future Theocracy' by AIAS Fellow Jaap Timmer, 9 May 2022.

**Workshop: 5th International Workshop on Rydberg Excitons in Semiconductors.** Three-day workshop covering areas ranging from quantum optics, non-linear optics with Rydberg exciton polaritons, many-body physics of dipolar excitons and many more. Organized by Center for Complex Quantum Systems, Dept. of Physics and Astronomy, Aarhus University, 10-12 May 2022.

**Workshop: EMBO Workshop: Evo-chromo: Evolutionary approaches to research in chromatin.** Four-day workshop focusing on chromatin, which is essential for genome function, chromosome segregation, gene regulation and much more. Co-organized by AIAS Fellow Peter Ebert Andersen, 11-14 May 2022.

**AIAS Seminar Series:** 'What can coronamusic tell us about the evolutionary functions of human musicality?' by AIAS Fellow Niels Christian Hansen, 16 May 2022.

**Network event:** 'Neuroscience Theme Meeting'. Short presentations, poster sessions, and flash talks focusing on neuroscience. Organized by former AIAS Fellow Samia Joca, the Dept. of Biomedicine, Faculty of Health, 18 May 2022.

**AIAS Conference: Diversity: Concept, Measurement, and Application.** Two-day conference with a focus on diversity in various scientific disciplines and policy areas. Co-organized by AIAS Fellow Stefan Bargheer, 19-20 May 2022.



Photo: Networking in the AIAS Hall, Ukraine Afternoon Event, 7 June 2022. Credit: Nicolai Hildebrandt.

**AIAS Seminar Series:** 'Random barycenters arising from Grassmann manifolds data' by AIAS Fellow Corina-Gabriela Ciobotaru, 23 May 2022.

**Conference: NordicWelfAir.** Interdisciplinary NordForsk funded conference. Organized by Klimakamrene, Dept. of Public Health, Aarhus University, 23-25 May 2022.

**AIAS Symposium: The Time of Our Lives: Circadian Rhythms, Sleep, and Light.** A research networking event aiming to activate and foster networks and interdisciplinary collaborations focused on the topic of sleep and the circadian timing system. Co-organized by AIAS Fellow Lisa M. Wu and Ali Amidi, Dept. of Psychology, Aarhus University, 24 May 2022.

**AIAS Film Screening:** *Solovei spivaie (The Nightingale Sings)* (2019). Screening of the Ukrainian film *Solovei spivaie (The Nightingale Sings)* directed by Serhii Krymskyi with introduction by AIAS AUFF-Ukraine research fellow Alina Korobeinyk, 29 May 2022.

**AIAS Career Event:** 'What it's like to be an international academic in Aarhus. Do's, don'ts, tips and tricks' by former AIAS Associate Heather Swanson and Cameron Warner, Dept. of Anthropology, Aarhus University, 30 May 2022.

**AIAS Conference: Thomas Kuhn's Philosophy of Science: In Honour of the 100th Year of his Birth.** Conference honouring Thomas Kuhn, best known for the notion of "paradigm change", as well as challenging and exploring his ideas. Co-organized by AIAS Associate Fellow K. Brad. Wray and Kristian Hvidtfelt Nielsen, Science Studies, Aarhus University, 1-2 June 2022.

**AIAS Ukraine Afternoon:** 'Insights and perspectives by the AUFF-Ukraine Research Fellows'. Talks on Ukraine in a past, present and future situation by seven AUFF-Ukraine Research fellows at AIAS, followed by music and food, 7 June 2022.

## BOOKING OF AIAS' FACILITIES?



AIAS and its facilities are open for booking to all members of staff from all faculties, departments and centres at Aarhus University, and by requests from external collaborators.

Know more about the opportunities available at AIAS, by visiting: [aias.au.dk/opportunities-at-aias/synergies-with-aarhus-university](https://aias.au.dk/opportunities-at-aias/synergies-with-aarhus-university) or by sending a booking request to: [booking@aias.au.dk](mailto:booking@aias.au.dk)

**Conference: The Aarhus '22 Conference on Online Hostility and Bystanders.** Bringing together world-leading experts to discuss what drives online political hostility, what its consequences are and what counter-measures can be taken. Organized by former AIAS Fellow Michael Bang Petersen, Dept. of Political Science, Aarhus University, 9-10 June 2022.

**AIAS Seminar Series:** 'Culturalism: The Remaking of Race in the American Century' by AIAS Fellow Stefan Bargheer, 13 June 2022.

**AIAS Conference: Perceiving after Conceiving:** What internal body perceptions and sensations mean for pregnancy and post-partum nutrition and health for parents and for the next generation. Co-organized by AIAS Fellows Luseadra McKerracher, Lisa Wu, Yanxia Zhang, and AIAS Associate Fellow Qian Janice Wang, 14 June 2022.

**AIAS Summer Gathering 2022.** Annual gathering of all current, former, and associate Fellows at AIAS with five short 10-minute talks within the theme of "Order and Disorder" followed by networking and informal dinner, 16 June 2022.

**AIAS Workshop: Kähler and non-Kähler Geometry: New Developments and Interactions.** Workshop bringing together international experts in the neighbouring fields of Kähler and non-Kähler Geometry. Organized by AIAS Fellows Alexandra Otiman and Zakarias Sjöström Dyrefelt, 21-23 June 2022.

**Pre-Conference Panel:** 'Whose Sport Is It? A Debate on Gender, Equality, and Fairness in Sport and Society'. Panel in connection to the Conference 'The Sport & Society Conference' co-organized by AIAS Associate Jörg Krieger and Sport Science, the Dept. of Public Health, Aarhus University, 29 June 2022.

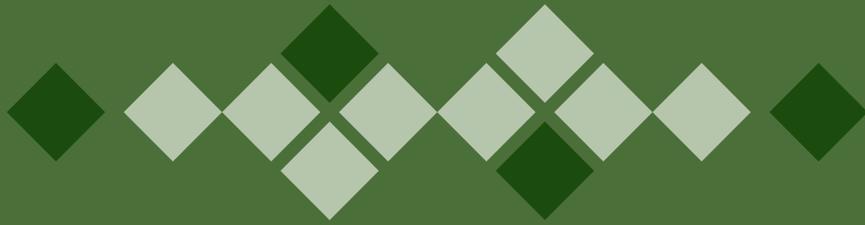
**AIAS Film Screening:** *Khaytarma (ХАЙТАРМА)* (2013). Screening of the Ukrainian film *Khaytarma (ХАЙТАРМА)* directed by Akhtem Seitablaev with introduction by AIAS AUFF-Ukraine research fellow Elmira Muratova, 10 July 2022.

**AIAS Film Screening:** *Chicago Boys* (2016). Screening of the film *Chicago Boys* directed by Carola Fuentes and Rafael Valdeavellano with introduction by AIAS Fellow Laure Guirguis, 21 August 2022.

**Meeting in the Society for the Dissemination of Natural Science:** Meeting for H.C. Ørsted Medal recipients and the H.C. Ørsted Academy. Organizer: the Society for the Dissemination of Natural Science, Copenhagen, 30 August 2022.

**Network event:** 'Annual meeting in the Inflammation network.' Organizer: the Inflammation Network, Faculty of Health, Aarhus University, 31 August 2022.

# ORGANISATION, STAFF AND FUNDING



# ORGANISATION, STAFF AND FUNDING

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## NEW AIAS ADVISORY BOARD FORMED

With eight new, strong members a new Advisory Board to AIAS was formed in April 2022. The Board is a forum that has as its aim to advise the AIAS management and board of directors in academic and strategic affairs.

The eight members come from very different research expertise areas, institutions and cultures, and contribute with several years of leadership experience from both academia and other sectors. A composition that speaks well to the mission of AIAS that also brings fellows together across research disciplines, borders, generations and traditions to form new ways of thinking and break new ground to the benefit of society and humankind.



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