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CRISIS AND CELEBRATION: 
THE MANAGEMENT’S ACCOUNT 2022-2023

The academic year 2022 to 2023 has been a year with ups, downs and unexpected changes at AIAS. A year where AIAS has oscillated between crisis and celebration. In the summer of 2022, AIAS Director Søren Keiding was hit by cancer and passed away in March 2023, three months before AIAS’s festive 10-Year Anniversary in June 2023. Consequently, Deputy Director Lotte Holm was appointed acting director for the academic year, in close collaboration with the chair of the AIAS Board of Directors Professor Jørgen Frøkiær, the board and the AIAS team.

Despite the difficult circumstances of losing a close colleague and an excellent researcher to cancer, AIAS has also had a productive and positive year with many achievements to celebrate. New types of fellowships have been launched, new funding attracted, and we can look back on 10 years as a successful IAS with great impact by the AIAS fellows and with the formation of lasting interdisciplinary connections.

REBUILDING OF UKRAINE CONFERENCE
‘Institutes for Advanced Study’ are and should be safe havens for researchers by offering academic freedom and research shelter regardless of nationality, ethnicity, religion, political conviction or gender. So, it is at AIAS.

From April 2022 until June 2023, AIAS has hosted 12 researchers from Ukraine through the AUFF-Ukraine fellowships for researchers fleeing the war in Ukraine supported by Aarhus University Research Foundation. In March 2023 to mark the one-year day of the invasion, the Ukrainian fellows organized with success a conference, Rebuilding of Ukraine: Peoples, Ideas, Technologies, and Resources, that looked ahead to the future perspectives for Ukraine.

IPERSPECTIVES INTERDISCIPLINARY E-MAGAZINE ON CRISIS
AIAS is a space for researchers from different disciplines to collaborate and exchange ideas, and so is the AIAS fellows-driven e-magazine iPerspectives a virtual space to bring together a multitude of disciplinary perspectives to shed light on a pressing topic with which the AIAS fellows are occupied with.

In this academic year, the fellows decided on the topic of CRISIS for the 2023 Anniversary issue of iPerspectives. A topic closely linked to the many crises marking the 2020s: climate crisis, a migration crisis, a corona crisis, a crisis between Ukraine and Russia and war in the European continent, an energy and security crisis, a financial crisis, and a crisis at AIAS with the loss of Director Søren Keiding. The 14 contributions in the magazine reflect an AIAS community that cares and acts on societal crises in their exploration of themes such as the climate crisis, the crisis between Ukraine and Russia, and the scientific data reproducibility crisis.

CYBORG WORKERS: LOOKING AHEAD TO 2023-2024
One of the capacities of AIAS is the engaged research community of interdisciplinary scholars who respond to the challenges around us. This is reflected in fellows’ initiatives during the year.

The conference Earth Sensations: Affects, sensibilities and attachments in an era of climate change had environmental issues on the agenda, and the conference Cyborg Workers: The Past, Present and Future of Automated Labour addressed the concerns and challenges of automated labour such as artificial intelligence and how this will change our labour market. The latter points forward to the next academic year at AIAS in which artificial intelligence and digitalization is on the agenda for our new theme-based fellowships that will start in September 2023.

13 JUNE 2023: 10-YEAR ANNIVERSARY
In June AIAS celebrated 10 years with interdisciplinary and international research, dialogues, networks and solutions. The festive scene was set on 13 June with 10 academic speed-talks by 10 fellows, one from each academic year from 2013 to 2023, followed by a photo exhibition of research in the Arctic including a VR-tour, and a social programme with jazz and networking.

AIAS is looking forward to initiating another decade with impactful, interdisciplinary and relevant research and collaborations across disciplines, borders and methods.
AIAS celebrated its 10-year anniversary which marked a decade with inspiring, interdisciplinary and international collaboration and exchanges.

See the Anniversary Programme: https://aias.au.dk/events/aias-10-year-anniversary

Find the Anniversary Issue of iPerspectives: https://aias.au.dk/research/iperspectives-magazine
After a hard time struggling with cancer, director of AIAS Søren Keiding has passed away, leaving behind his wife, Lis Keiding, two adult children and a grandchild. He will be deeply missed.

It is with great grief and immense sadness that AIAS has received the news that AIAS Director, Professor Søren Keiding has passed away on 4 March 2023 at the age of 63, after struggling with the illness since the summer of 2022.

Søren Keiding came to AIAS in October 2019, from a position as vice dean of research at the Faculty of Science and Technology at Aarhus University, and before that, from 2003-2015, he was a professor of chemistry at Aarhus University. He obtained his PhD degree in physics in 1990 and became dr. scient. in 1998. As a chemical physicist, his research was within the area of ultrafast motion of molecules, in particular water, studied with lasers. For decades, Søren has held numerous positions of trust, most recently as a member of DFIR, the Danish Council for Research and Innovation Policy, appointed by the Ministry of Higher Education and Science in Denmark.

"It is with great sadness I received the news that Søren Keiding has passed away. Those of us who knew him either as a colleague, Vice Dean for Research or as Director of AIAS know that we and Aarhus University have lost a very special person. Søren was a multi talent: an excellent scientist and teacher, a gifted musician with a warm personality and a wonderful sense of humour, and he was a very capable director of AIAS. Søren was a well-known and popular person at Aarhus University, and he managed to reach out to most of its corners via the Associate fellowship programme at AIAS. Apart from his own research field in physical chemistry, he had a broad insight in many other fields in natural and technical sciences. He had a deep understanding of research policy and research funding and was always willing to generously share his knowledge. Søren will be truly missed," expressed Brian Bech Nielsen, rector of Aarhus University.

During his time as director of AIAS, Søren was of great inspiration to all and made a huge imprint on both the staff and the fellows that he worked with on a daily basis, but also through his commitment to develop the Aarhus Institute of Advanced Studies in new directions.

"As a strong director of AIAS, Søren Keiding contributed with very important new directions of AIAS with two ‘tracks’ by adding the new theme-based group fellowships to the existing individual fellowships. Søren had a very great sense of the directions in research policy and for the societal demands of current research, which he managed to bring to life at AIAS," said Professor Jørgen Frøkiær, chair of the Board of Directors at AIAS.

On top of his management obligations at AIAS and his commitments in research policy, Søren had a passion for communicating his research knowledge to a broad audience. Most recently his book in the series Tænkepauser: Vand [Reflections: Water] on the unique properties of water was published at Aarhus University Press, in November 2021. That book reflects his unique ability to communicate difficult research with a great sense of humour. But first and foremost, during his directorship at AIAS, he cared for the thriving and the talent development of the fellows and staff at AIAS:

"Søren took a very special interest in all fellows’ well-being. It was important to him that both fellows’ personal lives and the academic advancement was well balanced, and he did all he could to help those in need. Not least his personal commitment towards the development of the AUFF-Ukraine Research Fellowships for researchers fleeing the war in Ukraine bears witness of his compassion and action towards helping where he could. For all of us at AIAS it is a great loss not to have Søren with us anymore. We will miss his creative ideas and effort to encourage dialogue and collaboration between all researchers connected to AIAS and at Aarhus University. But most of all, we will miss his genuine effort to make us all smile on a daily basis," said Lotte Holm, head of the secretariat and deputy director at AIAS.

In honour of his memory.
Photos: Søren Rud Keiding at AIAS.
Credit: Lars Kruse.
FELLOWS

ASSOCIATE FELLOWS

AUFF-UKRAINE RESEARCH FELLOWS
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 Colombia, 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.

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-beta-coronaviral 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.

GORDAN 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, cohabitation 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 Zakariyya
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.

Katarzyna Jazdzevska
AIAS Cofund Fellow
Associate Professor, Cardinal Stefan Wyszynski 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-Marseille, 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, significant side-effects and symptoms due to cancer and its treatment. These symptoms may be driven by circadian disruption. Light exposure is the strongest entrainer of circadian rhythms, and could also be important to our understanding of cancer symptoms. This project is a transdisciplinary collaboration seeking to determine whether circadian rhythms underlie cancer symptoms, and whether light exposure plays a role.

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. 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 neighborhoods from food insecurity. To the extent that Denmark’s welfare state falls short, we also explore ways to support pregnancy food security to build 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.
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.

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.

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 on 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.

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.
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.
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 VISITING FELLOWS

Associate Professor Anna Collar  
Area of research: Archaeology  
University of Southampton, UK

Associate Professor André Costopoulos  
Area of research: Anthropology  
University of Alberta, Canada

Professor Eleonora Redaelli  
Area of research: American cultural policy  
University of Oregon, US

AIAS ASSOCIATE FELLOWS

Associate Professor Alan O’Leary  
Department of Journalism and Media Studies  
Aarhus University

Associate Professor Ali Amidi  
Department of Psychology and Behavioral Sciences  
Aarhus University

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 Studie,  
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

Associate Professor Cindrilla Chumduri  
Department of Biological and Chemical Engineering  
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 **Deirdre Cronin Fenton**
Department of Clinical Medicine
Aarhus University

Associate Professor **Donna Briggs Bedtkjer**
Department of Biomedicine
Aarhus University

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

Associate Professor **Ebbe Sloth Andersen**
iNano and Department of Molecular Biology and Genetics
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 **Ermelinda Poriglia**
Department of Biomedicine
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

Associate Professor **Gauri Sanjeev Pathak**
School of Culture and Society, India and South Asia Studies
Aarhus University

Assistant Professor **Gilles Vanwalleghem**
Department of Molecular Biology and Genetics
Aarhus University

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

Associate Professor **Hooman Farkhani**
Department of Electrical and Computer Engineering
Aarhus University

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

Associate Professor **Jesper Sørensen**
Department of the Study of Religion
Aarhus University

Senior Researcher **Joachim Audet**
Department of Ecoscience
Aarhus University

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

Professor **Lene Niemann Nejsum**
Department of Clinical Medicine
Aarhus University

Associate Professor **Lili Zhang**
Department of Mechanical and Production Engineering
Aarhus University
Associate Professor **Lone Koefoed Hansen**  
Department of Digital Design and Information Studies  
Aarhus University

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Department of Electrical and Computer Engineering  
Aarhus University

Assistant Professor **Maarten Goesten**  
Department of Chemistry  
Aarhus University

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Department of Biology, Genetics, Ecology and Evolution  
Aarhus University

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School of Communication and Culture, Rhetoric  
Aarhus University

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Department of Management  
Aarhus University

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Department of Biological and Chemical Engineering, Industrial Biotechnology, Aarhus University

Professor **Ole Windahl Pedersen**  
Department of Law  
Aarhus University

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Department of Food Science  
Aarhus University

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School of Communication and Culture, Linguistics  
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Department of Clinical Medicine, Translational Neuropsychiatry Unit, Aarhus University

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School of Communication and Culture, Cognitive Science  
Aarhus University

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Department of Dentistry and Oral Health  
Aarhus University

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Department of Chemistry  
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Department of Electrical and Computer Engineering, Electronics and Photonics, Aarhus University

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School of Communication and Culture, Scandinavian Studies  
Aarhus University and University of Oslo, Norway

Associate Professor **Wolf Eiserhardt**  
Department of Biology, Ecoinformatics and Biodiversity  
Aarhus University

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**About the AIAS Associate Programme:**  
aias.au.dk/opportunities-at-aias/aias-associates
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 Zymaroieva
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
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Lyudmyla Kolisnyk
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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
OBSERVATIONS FROM UKRAINE
SALTIVKA, KHARKIV

Photo: Alina Zubkovych, Director of the Nordic Ukraine Forum presented an overview of the challenges and trends of the war. Credit: Lars Kruse.
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 2022-2023.
FELLOWS’ PUBLICATIONS AND ACTIVITIES

PUBLICATIONS – BOOKS, BOOK CHAPTERS


PUBLICATIONS – JOURNAL ARTICLES

Sandra Eckert is author of the article ‘European administrative networks, private networks and agencies: coexisting, cooperating or competing?’ in: Journal of European Public Policy, 1 September 2022.


Corina Ciobotaru is author of the article ‘Strong Transitivity, the Moufang Condition and the Howe–Moore Property’ in: Transformations Groups, 6 September 2022.

Lau Müller Andersen is first-author of the article ‘Task requirements affect the neural correlates of consciousness’ in: European Journal of Neuroscience, 9 September 2022.

Markus Rinschen is first-author of the article ‘The mechanism of macroautophagy: The movie’ in: Autophagy Reports, 14 September 2022.

Alina Korobeinyk is co-author of the article ‘Effectiveness of Bio-Waste-Derived Carbon Doping on De-icing Performance of an Electrically Resistant Concrete’ in: Coatings, 27 October 2022.

Lisa M. Wu is co-author of the article ‘Circadian disruption and cancer- and treatment-related symptoms’ in: Frontiers in Oncology, 28 October 2022.

Niels Chr. Hansen is co-author of the article ‘Linked auditory and motor patterns in the improvisation vocabulary of an artist-level jazz pianist’ in: Cognition, 29 October 2022.

Anastasiia Zymaroieva is first-author of the article 'Strong Decline in Breeding-Bird Community Abundance Throughout Habitats in the Azov Region (Southeastern Ukraine) Linked to Land-Use Intensification and Climate' in: Diversity, 24 November 2022.

Fulvio Reggiori is co-author of the article 'Membrane Contact Sites in Autophagy' in: Cells, 28 November 2022.

Markus Rinschen is first-author of the article 'VPS34-dependent control of apical membrane function of proximal tubule cells and nutrient recovery by the kidney' in: Science Signaling, 29 November 2022.

Borys S. Negrutskii is first-author of the article 'The eEF1 family of mammalian translation elongation factors' in: BBA Advances, 7 December 2022.

Jeffrey Kerby is co-author of the article 'Ecology, evolution, and conservation of Ethiopia’s biodiversity' in: PNAS, 9 December 2022.


Helen Van Noorden is author of the article ‘“Vergil and Homer opened my books.” The Sibyline Oracles and the non-Jewish canon’ in: Journal for the Study of the Pseudepigrapha, 19 December 2022.


Word Keeler is author of the article ‘Attaching shame to hierarchy and hierarchy to some versions of attachment’ in: Ethos. Journal of the Society for Psychological Anthropology, 1 January 2023.

Natalia Vidal is first-author of the article ‘Quality and chemical stability of long-term stored soy, canola, and sunflower cold-pressed cake lipids before and after thermomechanical processing: A 1H NMR study’ in: LWT, 4 January 2023.

Rasmus O. Bak is co-author of the article ‘Development of HIV-Resistant CAR T Cells by CRISPR/Cas-Mediated CAR Integration into the CCR5 Locus’ in: Viruses, 10 January 2023.
Philipp Reick is first-author of the article ‘From hatred to hope: Emotions, memory and the German labour movement in the late-nineteenth century’ in: Memory Studies, 26 January 2023.

Rasmus O. Bak is co-author of the article ‘Enrichment of transgene integrations by transient CRISPR activation of a silent reporter gene’ in: Molecular Therapy - Methods & Clinical Development, 16 February 2023.

Fulvio Reggiori is co-author of the article: ‘Digest it all: the lysosomal turnover of cytoplasmic aggregates’ in: Trends in Biochemical Sciences, 16 February 2023.

Rasmus O. Bak is co-author of the article ‘CD5 expression by dendritic cells directs T cell immunity and sustains immunotherapy responses’ in: Science, 17 February 2023.


Jeffrey Kerby is co-author of the article ‘Large herbivore diversity slows sea ice-associated decline in arctic tundra diversity’ in: Science, 22 June 2023.

Mie Andersen is co-author of the article ‘Descriptors for binding energies at clusters: The case of nanosilicates as models of interstellar dust grains’ in: The Journal of Chemical Physics, 28 July 2023.

Sylvie Tesson is first-author of the article ‘Aerosolization flux, bio-products, and dispersal capacities in the freshwater microalga Limnomonas gaiensis (Chlorophyceae)’ in: Nature Communications - Biology, 3 August 2023.


Joshua Nash is editor and initiator of the journal Some Islands: A journal of linguistics and art, No 1, 2022.

Kei Hiruta gave a talk at the workshop on Rethinking Political Thinkers, Centre for Comparative Political Thought, SOAS, University of London, UK, 5-6 September 2022.

David Ciepley gave the talk ‘Democracy and the Corporation—the Long View’ at SCORE (Stockholm Center for Organizational Research), Stockholm University, Sweden, 22 September 2022.

Ruben Pauwels gave two talks ‘Introduction to CBCT acquisition and reconstruction’ and ‘Applications of AI in medicine and dentistry’ at The Arctic University of Norway in Tromsø, Norway, 19-23 October 2022.

David Ciepley gave a talk ‘From Seedbed of Constitutional Democracy to Stronghold of Autocracy: The Anglo-American Corporation’s Historical Declension at the workshop Enhancing Accountability in Corporate and Financial Governance, Monash University, Prato, Italy, 10-11 October 2022.

Ruben Pauwels gave a talk ‘What is new in CBCT?’ at the 4th International Congress of Oral Diagnosis and Maxillofacial Radiology Society, Turkey, 19-23 November 2022.
Elmira Muratova gave a talk ‘Memory Politics in Crimea’ at the workshop on Truth and Untruth, Transmission of Memories of War, at Charles University, Prague, Czech Republic, 4-5 November 2022.

Jaap Timmer gave a talk ‘Divining the Past: Kastom and State in the Historicity for Malaita’s Theocracy, Solomon Islands’ at the Department of Anthropology Seminar Series, University of Bergen, Norway, 7 November 2022.

Jaap Timmer organized a workshop ‘Historicity and Anthropology’ at University of Bergen, Norway, 18 November 2022.

Markus Rinschen gave the keynote lecture ‘The Kidney’s Bioactive Metabolome’ at the Taiwan multi-omics and precision medicine joint conference, 22 November 2022.

Markus Rinschen gave a renal talk ‘A systems approach to FSGS’ at the Triservice General Hospital, Taipei, Taiwan, 22 November 2022.

Bridget Vincent gave a talk ‘Priorities in Denise Riley’s Lurex’ at the poetry conference Out of the Ordinary: On Poetry and the World, University of Canberra, Australia, 5-7 December 2022.

Elmira Muratova gave a talk ‘Crimean Tatars in a Digital Age: Religious Authorities and Online Media’ at the workshop Digital Minority Religion: Methodologies, Trends, and Patterns, European Center for Minorities Issues, Flensburg, Germany, 8-9 December 2022.

Elmira Muratova gave a talk ‘Crimean Tatar People after the 2014 Annexation: Ethnic Institutions, Political Activism and Gender Roles’ at the workshop Political Ethnography of State and Society in Post-Soviet Contexts in the Shadow of the Russian Invasion to Ukraine, Yale University, USA, 9-10 December 2022.

Laura Nissin organized a panel discussion ‘Poikkitieteellisyys antiiktutkimuksessa, mitä se on ja mitä se voisi olla’ (in English: Cross-disciplinarity in Ancient Studies – what it is and what it could be) at the Finnish Conference on Ancient Studies, University of Helsinki, 27 January 2023.

Jihan Zakarriya gave the talk ‘Religious Violence and Female Military Activism’ at the International Conference on Religious Violence and Radicalization in Dubia, United Arab Emirates, 22-24 March 2023.


Barbara Berger gave the talk ‘Functional connectivity patterns enabling working memory processes’ at the Interacting Minds Center Seminar, Aarhus University, 2 May 2023.

**Corina-Gabriela Ciobotaru** gave the talk ‘The Geometry Of P-Adic Numbers’ at the conference Women Mathematicians in Sciences 2023, University of Southern Denmark, 11-12 May 2023.

**Jihan Zakariya** participated in a discussion panel regarding research environments at the Building Bridges for the Next Generation Conference, Dresden, Germany, 16-17 May 2023.

**Jihan Zakariya** gave a lecture ‘Gender and Environmental Violence in Modern Arabic Literature’ at EcoLit symposium, University of Oslo, 24 May 2023.

**Elmira Muratova** gave the talk ‘Islam, Repression, and Memory’ at a webinar organized by the Center for Russian, East European, and Eurasian Studies, University of Pittsburgh, USA, 1 June 2023.

**Alexandra-Iulia Otiman** gave a talk ‘Bott-Chern cohomology of compact Vaisman manifolds’ at the Congress of Romanian Mathematicians, Pitesti, Romania, 30 June - 5 July 2023.

**Corina-Gabriela Ciobotaru** organized a reception on Women’s networking at NCM29 at the 29th Nordic Congress of Mathematicians, Aalborg, 3 July 2023.

**Corina-Gabriela Ciobotaru** gave the talk ‘Symmetry breaking for PGL_2 over a local field’ at the Workshop Kac—Moody Geometry, at Kiel University, Germany, 24-28 July 2023.

**Corina-Gabriela Ciobotaru** gave a mini-course ‘An Introduction to Bruhat-Tits buildings’ at the conference Coarse geometry and dynamics, ENS Lyon, France, 30 August - 1 September 2023.

**AWARDS, APPOINTMENTS AND GRANTS**

**Magdalena Malecka** was elected a coordinator of the East European Network for Philosophy of Science (EENPS), September 2022.

**Jihan Zakariya** was awarded an ERC Starting grant of DKK 11 million to the project ‘GulfFeminisms’ from the European Research Council. Awarded: November 2022.

**Mie Andersen** was awarded a grant of DKK 2.6 million within the Natural and Technical Sciences by the Novo Nordisk Foundation for her project entitled ‘Data-Driven Modelling of Oxide Catalysis.’ Awarded: December 2022.

**Corina-Gabriela Ciobotaru** was awarded a Villum Young Investigator grant of DKK 6 million to the project ‘Limits of geometries over the p-adic numbers’. Awarded: January 2023.

**Fulvio Reggiori** is co-recipient of a DKK 20 million (EUR 2.7 million) Lundbeck Foundation Collaborative Project grant to study Parkinson’s disease with an aim to transform and improve treatment. Awarded on: 16 January 2023.

**Shiru Lim** has been awarded a Social Science Research Council (Singapore) Graduate Research Fellowship (2023-25) grant of SGD 9,000 (approx. 46,000 DKK) for her project ‘Intellectual Capital: Cities, Publics, and the Urban Lives of Ideas.’ Awarded: March 2023.

**Alexandra-Iulia Otiman** was awarded the Nicolae Dinculeanu prize for young researchers in mathematics under the age of 40, awarded every fourth years by the Romanian Academy, Bucharest, July 2023.

**IN THE MEDIA**

**Sofia Opatska** gave an interview to the magazine Djøfbladet for the article ‘Hun har fået fred til at forske. Men nu tager hun hjem og genopt bygger Ukraine’ about her research on Marshall plans for Ukraine, 7 September 2022.

**Iza Romanowska** gave an interview to Newsweek about her recent study on food insecurity in Ancient Palmyra for the article ‘Ancient Palmyra’s Catastrophic Fall Is Terrifying Premonition of Our Future’, 6 October 2022.

**Oleg Yarosh** gave an interview to ScienceReport about his AUFF-Ukraine fellowships stay in Denmark ‘Ukrainske forskere kaster et blik på dansk forskning’, 11 November 2022.

**Niels Chr. Hansen**’s research was mentioned by Forbes in the article ‘Science Shows That Jazz Musicians Have Their Own Individual Music Vocabulary’, 21 November 2022.

**Niels Chr. Hansen** gave an interview to the Danish newspaper Kristeligt Dagblad about a new research study on jazz and improvisation for the article ‘Forskere kortlægger jazzmusikere toneforråd’, 24 November 2022.

**Niels Chr. Hansen** gave an interview to the Danish magazine Viden-skab.dk about a new study of the effects of listening to music in daily life during the COVID-19 lockdown, 25 January 2023.

**Niels Chr. Hansen** gave an interview to the Danish national broadcast DR P4 about a new research study on the effects of listening to music in daily life during the COVID-19 lockdown, 30 January 2023.
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 2022-2023. We hope the great variation in topics and formats will inspire you. AIAS is always open for collaboration and exchange...
AIAS Conference: Building(s) in Aarhus: 2-day mathematics' conference on group theory and geometry organised by AIAS Fellow Corina-Gabriela Ciobotaru, 1-2 September 2022.

Conference: The life cycle of cosmic PAHs. Organised by the Department of Physics and Astronomy, Aarhus University, 5-9 September 2022.


BIOCHANGE Symposium: 2-day symposium on new perspectives on biodiversity dynamics and stewardship under future global change. Organised by Center for Biodiversity Dynamics in a Changing World (BIOCHANGE), 13-14 September 2022.


EVENTS AT AIAS


AIAS Seminar Series: ‘Cellular recycling: From cell digestion to coronaviruses’ by AIAS Fellow Fulvio Mario Reggiori, 26 September 2022.

AIAS Symposium: To tell a life: 2-day symposium on life story psychology in honour of Tilmann Habermas. Organised by AIAS Associate Annette Bohn, CON AMORE, Department of Psychology and Behavioural Sciences, Aarhus University & Christin Cornia, Department of Psychology, Zayed University, 29-30 September 2022.

AIAS Seminar Series: ‘Luxury in Ancient Sparta’ by AIAS Fellow Paul Christesen, 10 October 2022.
AIAS Conference: Earth Sensations: 2-day conference on the affects, sensibilities and attachments in an era of climate change. Organised by AIAS Fellow Iwona Janicka and AIAS Associate Tobias Skiveren, Department of Scandinavian Studies, Aarhus University, 13-14 October 2022.


AIAS Talk: ‘Learning culture’ in the Danish education system” - a presentation of the Danish Education System. Organized by Centre for Educational Development, Aarhus University, 28 October 2022.


AIAS Workshop: Posts in the Making: 2-day international workshop on historical awareness and agency. Organised by AIAS Fellow Jaap Timmer and Ton Otto, Department of Anthropology, Aarhus University, 10-11 November 2022.


AIAS Joint Research Presentations - Future Interdisciplinary directions and collaborations: 12 short presentations by former, current and Associate fellows. Organised by AIAS, Aarhus University, 28 November 2022.


Conference: Caring Places - Exploring the Topographies of Ethics and Care: 2-day conference. Organised by Center for the Study of Ethics and Community, Center for Philosophy and Health Sciences, and Windows of Opportunity, Faculty of Arts, Aarhus University, 28-29 June 2023.

The Inauguration of Center for Ecological Dynamics in a Novel Biosphere (ECONOVO) - A Danish National Research Foundation Center of Excellence. Organised by ECONOVO, Department of Biology, Aarhus University, 16 August 2023.

Conference: Impurity Physics with Cold Atoms and Ions: 3-day conference. Organised by Center for Complex Quantum Systems, Department of Physics and Astronomy, Aarhus University, 21-23 August 2023.

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 or by sending a booking request to: booking@aias.au.dk
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ORGANISATION, STAFF AND FUNDING

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Clinical professor and chair, head of the Department of Clinical Medicine, Faculty of Health, Aarhus University

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Jens-Christian Svenning  
Professor and Centre Director, Center for Biodiversity Dynamics in a Changing World, Department of Biology, Faculty of Natural Sciences, Aarhus University

Lars Dittev Marck Ottosen  
Professor, Department of Biological and Chemical Engineering, Faculty of Technical Sciences, Aarhus University

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NEW AIAS THEME-BASED FELLOWSHIPS

Interdisciplinary research collaboration and innovative ideas are prerequisite for tackling joint societal challenges. To address this need, AIAS opened two new theme-based fellowships within the research themes of:

- PIREAU - Platform for Inequality Research at Aarhus University
- SHAPE - Shaping Digital Citizenship

The theme-based fellows will work on an individual research project, but together with a theme-group of fellows, they will address and explore a common theme from an interdisciplinary and collaborative perspective.

Learn more about the theme-based fellowships:  
https://aias.au.dk/aias-fellows/theme-based-fellows
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FUNDING

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- Aarhus University Research Foundation

- The European Union’s Seventh Framework Programme for research, technological development and demonstration (Grant agreement no 609033)

- The European Union’s Horizon2020 (Grant agreement no 754513)