

## Selected publications

Anni Kleino, PhD

### MANUSCRIPT ACCEPTED FOR PUBLICATION

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**Kleino A**, Ramia NF, Bozkurt G, Shen Y, Nailwal H, Huang J, Napetschnig J, Gangloff M, Chan FK, Wu H, Li J, Silverman N. Imd signaling requires functional amyloids. *Immunity*.

### ORIGINAL COMMUNICATIONS

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Rus F, Flatt T, Tong M, Aggarwal K, Okuda K, **Kleino A**, Yates E, Tatar M, and Silverman N. Ecdysone triggered PGRP-LC expression controls *Drosophila* innate immunity. *EMBO J*. 32:1626-1638 (2013)

Vanha-Aho LM\*, **Kleino A\***, Kaustio M, Ulvila J, Wilke B, Hultmark D, Valanne S, Rämets M. Functional characterization of the infection-inducible peptide Edin in *Drosophila melanogaster*. *PLoS One*. 7:e37153 (2012)

Ulvila J, Vanha-aho L-M, **Kleino A**, Vähä-Mäkilä M, Vuoksio M, Eskelinen S, Hallman M, Parikka M, Rämets M. Cofilin regulator 14-3-3ζ is an evolutionarily conserved protein required for phagocytosis and microbial resistance. *J Leukoc Biol*. 89:649-59 (2011)

Valanne S, Myllymäki H, Kallio J, Schmid MR, **Kleino A**, Murumägi A, Airaksinen L, Kotipelto T, Kaustio M, Ulvila J, Esfahani SS, Engström Y, Silvennoinen O, Hultmark D, Parikka M, Rämets M. Genome-wide RNA interference in *Drosophila* cells identifies G protein-coupled receptor kinase 2 as a conserved regulator of NF-κappaB signaling. *J Immunol*. 184:6188-6198 (2010)

**Kleino A**, Myllymäki H, Kallio J, Vanha-aho L-M, Oksanen K, Ulvila J, Hultmark D, Valanne S, Rämets M. Pirk is a negative regulator of the *Drosophila* Imd pathway. *J Immunol*. 180:5413-5422 (2008)

Valanne S, **Kleino A**, Myllymäki H and Rämets M. Iap2 is required for a sustained response in the *Drosophila* Imd pathway. *Dev Comp Immunol*. 31:991-1001 (2007)

Ulvila J, Parikka M, **Kleino A**, Sormunen R, Ezekowitz RA, Kocks C, Rämets M. Double-stranded RNA is internalized by scavenger receptor-mediated endocytosis in *Drosophila* S2 cells. *J Biol Chem*. 281:14370-14375 (2006)

**Kleino A\***, Valanne S\*, Ulvila J, Kallio J, Myllymäki H, Enwald H, Stöven S, Poidevin M, Ueda R, Hultmark D, Lemaitre B, Rämets M. Inhibitor of apoptosis 2 and TAK1-binding protein are components of the *Drosophila* Imd pathway. *EMBO J*. 24:3423-3434 (2005)

\* equal contribution

### REVIEW AND PREVIEW ARTICLES

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Monahan A\*, **Kleino A\***, Silverman N. ReaDAPting the Role of PGRP-SD in Bacterial Sensing and Immune Activation. *Immunity*. 45:951-953 (2016) (Preview)

**Kleino A**, and Silverman N. The *Drosophila* IMD pathway in the activation of the humoral immune response. *Dev Comp Immunol*. 42:25-35 (2014) (Review)

**Kleino A**, Silverman N. UnZIPping mechanisms of effector-triggered immunity in animals. *Cell Host Microbe*. 11:320-2 (2012). (Preview)

\* equal contribution