

Postdoc Opportunity in Neuroendocrinology & Physiology

Department of Biology – University of Copenhagen

Explore the Inner Workings of Insect Physiology & Evolution

Are you passionate about how organisms adapt to extreme environments? Fascinated by endocrine signaling, neuropeptides, and 4D evolutionary physiology? Join the Halberg Lab to uncover the mechanisms that govern stress adaptation in insects using genetic model organisms like *Tribolium castaneum* and *Drosophila melanogaster*.

Your Next Challenge

We're hiring a Postdoctoral Researcher to lead cutting-edge research on:

- Epithelial mechanisms underpinning water and ion balance in insects
- Molecular and cellular mechanisms of endocrine signaling
- 4D Physiology of insect stress tolerance

Use powerful tools: single-cell transcriptomics, RNAi, live imaging, in situ hybridization, functional assays and more.

Why Join Us?

- ✓ Fully funded for 3 years
- ✓ International, collaborative research environment
- ✓ Cutting-edge facilities
- ✓ Relevance to both basic science & sustainable pest control
- ✓ Based in vibrant Copenhagen

Who You Are

You hold a PhD in biology or related field and bring expertise in at least one of the following:

- Insect physiology or endocrinology
- Comparative or evolutionary developmental biology
- Microdissection and surgical techniques
- Genetics in model insects (*Tribolium* or *Drosophila*)
- Strong communication and organizational skills

Deadline: 1 September 2025

Start: November 2025 (or soon after)

Location: University of Copenhagen, Denmark

Key papers: <https://www.pnas.org/doi/10.1073/pnas.2023314118>;
<https://www.pnas.org/doi/10.1073/pnas.2217084120>

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🔍 Learn more: <https://www1.bio.ku.dk/english/research/cell-neurobiology/the-neuroendocrinology-and-physiology-group/>

✉ Questions? Contact Assoc. Prof. Kenneth Halberg: kahalberg@bio.ku.dk

