



PHD IN ORGANIC CHEMISTRY

FEAT. PHOTO- & REDOX CHEMISTRY, PROTACs



WWW.STACKO.GROUP

at the Department of Chemistry, University of Zurich, Switzerland
starting **June-July 2025**



THE PROJECT AND YOU

Dive into our vibrant world where we craft organic dyes into photocages that deliver and activate drugs with tissue-penetrating light as a trigger. We are looking for a **PhD candidate to join our research group**. Our interdisciplinary research merges organic chemistry, photochemistry, and biology, and pushes the boundaries of applied photochemistry. Our tools help unravel biological processes and advance drug delivery solutions. Our ultimate goal is to push the frontiers of medicine by enabling next-generation and personalized therapies. The position is fully funded by the SNSF Starting Grant.

As a PhD candidate you will embark on an exciting journey to conquer the energy gap law by pioneering a rational design approach that integrates photochemistry, redox chemistry extending to biological experiments – propelling the drug delivery field forward.

WHO YOU ARE

A highly motivated, creative, responsible, and ambitious individual with a strong passion for science and a love for challenges. You possess excellent critical thinking skills and keen attention to detail. A friendly team player who can step up and deliver in crucial moments when the team needs it the most. You have:

- A first-class Master's degree in chemistry or organic chemistry, awarded prior to the start of the contract
- An excellent background in organic synthesis, redox chemistry and physical organic chemistry is essential, proficiency in inert atmosphere techniques (glovebox, vacuum line, Schlenk techniques) and cyclic voltammetry
- Experience with biology (cell viability studies, flow cytometry, bioimaging, western blotting) or photochemistry is an advantage
- Academic awards at the university or national level
- Excellent communication skills and excellent command of English, both spoken and written

WHAT WE OFFER

- A wild voyage into the realm of organic synthesis, photochemistry in the near-infrared territory and drug delivery as part of a young, tightly-knit, motivated, growing and friendly team
- Academic salary corresponding to UZH regulations and state-of-the-art research infrastructure
- Opportunities for international collaborations, conferences, training, and mentoring
- Options to develop skills in other areas such as vector illustrations, 3D modeling and rendering, or 3D printing
- Place of work: Irchel Campus, Winterthurerstrasse 190, CH-8057, Zurich

APPLICATIONS

A fully funded position for 4 years. Applications should be sent **as a single PDF file** to applications@stacko.group, citing **"AP2727"** as the reference. The application must include a cover letter briefly stating your motivation for the position, a CV containing the names and contact details of two references, and a summary of past research experience. Only applications that adhere to these requirements and sent to the correct e-mail address will be considered. Selection will be based solely on academic excellence and research experience. Short-listed applicants will be interviewed either in person or via a video call. Deadline: **30th April 2025**.