Immediate opening for a PhD student with interest in chemical biology and drug delivery

“Precise carrier molecules for programmed nucleic acid delivery and therapy”

Expected profile: completed academic study with a pharmacy or chemistry background (2. Staatsexamen Pharmazie, or Master, Diploma study in chemistry, pharmacy, biotechnology or related areas) and a strong interest in applying synthetic organic chemistry for biological drug formulation and delivery.

The selected candidate will join an interdisciplinary research team including (bio)chemistry and biophysics, pharmaceutics and (nano)formulation, cell and molecular biology, pharmacology/therapeutic evaluation and medicine. The selected candidate also will participate in teaching of pharmacy students in German language (gute Deutschkenntnisse notwendig!).

Within the PhD thesis work, expertise will be gained in areas of solid phase synthesis, protective group and linker chemistry, synthesis and purification of bio-related peptide-like molecules, reversible bioconjugates or nanoparticles, nanotechnology and formulation. One special focus will be a collaborative effort with LMU Medicine (Prof. C. Spitzweg) on theranostic gene delivery of Sodium Iodide Symporter (NIS) for glioma.

Relevant work (see also publications on web page):


Please send your application and CV by e-mail to: ernst.wagner@cup.uni-muenchen.de

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