

ABDALLAH M. ZEID, Ph.D.

Postdoctoral Research Fellow, Department of Chemistry, University of Michigan
Associate Professor of Pharmaceutical Analytical Chemistry (on leave), Mansoura University
Ann Arbor, Michigan | amzeid@umich.edu

RESEARCH PROFILE

Bioanalytical and analytical chemist specializing in in vivo brain microdialysis, LC–MS/MS, high-resolution mass spectrometry, neuropeptide analysis, extracellular proteomics, and microfluidic separations. Current research in the Kennedy Laboratory integrates time-resolved neurochemical sampling with targeted and discovery mass spectrometry to investigate brain extracellular signaling.

ACADEMIC & RESEARCH APPOINTMENTS

Postdoctoral Research Fellow | University of Michigan, Department of Chemistry (Kennedy Lab) **Jan 2023–Present**

- In vivo cerebral microdialysis; quantitative LC–MS/MS; targeted neuropeptide analysis; extracellular proteomics using Orbitrap-based DDA/DIA workflows; method development for time-resolved brain extracellular measurements.

Associate Professor | Mansoura University, Department of Pharmaceutical Analytical Chemistry **Jan 2023–Present**

- Faculty appointment currently on leave while conducting full-time research at the University of Michigan.

PIFI Postdoctoral Fellow | Changchun Institute of Applied Chemistry, CAS, China **Apr 2021–Dec 2022**

Assistant Professor | Mansoura University, Department of Pharmaceutical Analytical Chemistry **Dec 2017–Dec 2022**

Special Research Student | Nagoya University, Japan **Jul 2015–Jun 2017**

EDUCATION

Ph.D. in Pharmaceutical Sciences (Analytical Chemistry) | Mansoura University, Egypt **2017**

M.Sc. in Pharmaceutical Sciences (Analytical Chemistry) | Mansoura University, Egypt **2012**

B.Sc. in Pharmaceutical Sciences, Excellent with Honors | Mansoura University, Egypt **2009**

RESEARCH & TECHNICAL EXPERTISE

- In vivo cerebral microdialysis; neurochemical and extracellular-fluid sampling; low-volume sample handling.
- LC–MS/MS method development and quantitative bioanalysis using triple-quadrupole instrumentation.
- High-resolution mass spectrometry and proteomics: Orbitrap platforms, DDA, DIA, and PRM workflows.
- Neuropeptide, metabolite, and protein analysis; chromatographic optimization; sample preparation and method validation.
- Microfluidic and electrophoretic separations; fluorescence and chemiluminescence detection; pharmaceutical analytical chemistry.

FELLOWSHIPS & SCHOLARSHIPS

President's International Fellowship Initiative (PIFI), Postdoctoral Fellowship | Chinese Academy of Science (CAS), China **2021–2022**

Joint Supervision Mission Scholarship | Nagoya University, Japan **2015–2017**

EDITORIAL & PROFESSIONAL SERVICE

Editorial Board: BMC Chemistry and Discover Chemistry.

Peer reviewer for journals in analytical chemistry, pharmaceutical analysis, separation science, and bioanalysis.

Professional Licensure: Licensed Pharmacist, Egypt.