

Curriculum Vitae

Tamer M. Ibrahim

Professor of Pharmaceutical Chemistry

WORK EXPERIENCE

Vice Dean *Sept. 2025 – present*

Vice Dean for Community Service and Environmental Development,
Faculty of Pharmacy, Kafrelsheikh University, Egypt

Professor *Oct. 2025 - present*

(Promoted to “Full Professor” via the Supreme Council of Universities
Egypt – “Scientific Distinction / Fast track”)

Department of Pharmaceutical Chemistry, Faculty of Pharmacy,
Kafrelsheikh University, Egypt

Guest Professor (AvH Fellow) *April 2023 – Oct. 2024*

Department of Pharmaceutical Bioinformatics, Albert-Ludwigs-
Universität Freiburg, Germany.

Head (Associate Professor) *Aug. 2021 – Aug. 2022*

Department of Pharmaceutical Chemistry, Faculty of Pharmacy,
Kafrelsheikh University, Egypt

Associate Professor *Nov. 2020 – Oct. 2025*

(Promoted to “Associate Professor” via the Supreme Council of
Universities Egypt – “Scientific Distinction / Fast track”), Department of
Pharmaceutical Chemistry, Faculty of Pharmacy, Kafrelsheikh
University, Egypt

Visiting Scientist *Feb. 2019 – Aug. 2019*

(Postdoc Fellowship via DAAD-GERSS award), Lab for Molecular Design
& Pharmaceutical Biophysics, Eberhard Karls University Tübingen,
Germany

Adjunct (Associate) Professor *Jan. 2018 - present*

(Adjunct – Collaboration Partner), School of Information Technology
and Computer Science, Nile University, Egypt

Lecturer *Feb. 2017 - 31 Oct. 2020*

Department of Pharmaceutical Chemistry, Faculty of Pharmacy,
Kafrelsheikh University, Egypt

Lecturer *Oct. 2015 – Jan. 2017*




Medicinal Chemistry, Chemistry Department, Faculty of Pharmacy and
Drug Technology, Heliopolis University For Sustainable Development,
Cairo, Egypt

Postdoc *March 2015 – Sept. 2015*

Lab for Molecular Design & Pharmaceutical Biophysics, Eberhard Karls
University Tuebingen, Germany



CONTACT

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EDUCATION

**Dr. rer. nat. in Pharmaceutical Sciences
(Pharmaceutical Chemistry)**

April 2011 – March 2015

Eberhard Karls University of Tuebingen -
Germany

**Master in Pharmaceutical Sciences
(Pharmaceutical Chemistry)**

2007 – April 2009

The German University in Cairo – Egypt

Bachelor of Pharmaceutical Sciences
2000 – June 2005

Faculty of Pharmacy – Alexandria
University - Egypt

REFERENCES

Prof. Dr. Ramadan El-domany

Dean of the Faculty of Pharmacy
Professor of Microbiology and
Immunology
Faculty of Pharmacy
Kafrelsheikh University, Egypt

Prof. Dr. Frank Boeckler

Professor of Medicinal Chemistry and
Drug Design
Department of Pharmacy and
Biochemistry at Eberhard Karls University
Tübingen, Germany

LANGUAGES

Arabic: Mother-tongue

English: Excellent

German: Very good

COMPUTER SKILLS

OS: Linux and Windows.

Shell scripting: Linux & Slurm for HPC.

Programming Languages: R & Python

Scientific software: Pipeline Pilot, KNIME,

Schroedinger suite, GOLD, AMBER,

GROMACS, PyMol, MOE...etc.

EDITORIAL CONTRIBUTION

ASSOCIATE EDITOR-IN-CHIEF

Drug Design, Development and Therapy

(Q1 – Medicinal Chemistry / Pharmacy)

ACADEMIC EDITOR

PLOS ONE

(Q2 Multidisciplinary Sciences)

AWARDS

Alexander von Humboldt Foundation

April 2023 – Oct 2024

Guest Professor in Department of

Pharmaceutical Bioinformatics

Albert-Ludwigs-Universität Freiburg

Freiburg, Germany

State Encouragement Award

جائزة الدولة التشجيعية في العلوم التكنولوجية المتقدمة

التي تخدم مجالات العلوم الطبية لعام 2022

DAAD-GERSS (Postdoc)

Feb 2019 – July 2019

Postdoc stay at Eberhard Karls University

Tuebingen, Germany.

DAAD-GERLS (Full PhD)

Oct 2010 – March 2015

Eberhard Karls University Tuebingen,

Germany.

PROFESSIONAL SKILLS

RESEARCH EXPERIENCE

(Working at the boundary of theory and experiment)

☆ **Molecular Modeling and Structural Bioinformatics:** ligand and structure-based drug design:

- Protocol development (primarily in Pipeline Pilot/KNIME, R) for computer-aided design, cheminformatics applications.
- Molecular docking and Molecular dynamics (MD) simulation.
- Quantitative Structure Activity Relationship (QSAR).

☆ **Organic synthesis:** Carrying out different reactions (e.g. MCRs, coupling reactions, ...etc); molecular characterization (e.g. NMR, MS, HPLC); purification using Flash Column Chromatography.

☆ **Biophysical characterization & protein expression / purification:** ITC, DSF and fluorescence-based assays.

CURRENT RESEARCH INTERESTS

- ✳ Enhancing the virtual screening methodologies using AI.
- ✳ Studying the flexibility of microbial/viral protein targets.
- ✳ Designing and synthesizing new antiprotozoal hits.
- ✳ Designing and synthesizing new anticancer hits.
- ✳ Computational modeling for targeting COVID-19.

TEACHING EXPERIENCE

- ✳ **Organic Chemistry courses:** under- and post-graduates.
- ✳ **Pharmaceutical Chemistry courses:** for under- and post-graduates.
- ✳ **Computer-Aided Drug Design & Structural Bioinformatic courses:** for under- and post-graduates.
- ✳ **Introduction to Bioinformatics courses:** for post-graduates.

PROFESSIONAL ASSOCIATIONS

Membership in *Egyptian Pharmacist Syndicate*

2005 - present

Membership in *Deutsche Pharmazeutische Gesellschaft (DPHG)*

2013 -2015

Membership in *Der Gesellschaft Deutscher Chemiker (GDCh)*

2012-2015

PUBLICATIONS

