






# Curriculum Vitae

## Tamer M. Ibrahim

Associate Professor of Pharmaceutical Chemistry

### 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

### WORK EXPERIENCE

**Associate Professor** *Nov. 2020 - present*  
(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

**Guest Professor** *April 2023 – Oct. 2024*  
Department of Pharmaceutical Bioinformatics  
Albert-Ludwigs-Universität Freiburg  
Freiburg, Germany

**Head (Associate Professor)** *Aug. 2021 – Aug. 2022*  
*Department of Pharmaceutical Chemistry*  
Faculty of Pharmacy  
Kafrelsheikh University, Egypt

**Lecturer** *Feb. 2017 - 31 Oct. 2020*  
*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

**Lecturer/Associate Professor** *Jan. 2018 - present*  
(*Adjunct – Collaboration Partner*)  
School of Information Technology and Computer Science  
Nile 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

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

