PERSONAL INFORMATION

András ASZÓDI, PhD

📍 Available upon request

📞 Available upon request   📠 Available upon request

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Nationality Austrian

WORK EXPERIENCE

November 2011 - present

Biocomputing Specialist, Bioinformatics & Scientific Computing Core

Vienna Biocenter Core Facilities (VBCF), Vienna, Austria

▪ Provides computational tools, biostatistics consulting and biocomputing trainings for the Vienna Biocenter campus.

Public sector, scientific software development

September 2007 - present

Expert Evaluator, Marie-Curie Fellowships

Research Executive Agency, European Commission, Brussels, Belgium

▪ Panel chair/vice chair: MSCA individual fellowships. Vice chair/expert: COFUND, RISE, FETHPC

Public sector, chemical research

February 2006 - October 2011

Senior Bioinformatician, Gen-AU Epigenome project

Institute of Molecular Pathology, Vienna, Austria

▪ Analysis of ChIP- chip and next-generation sequencing data.
▪ Development of analysis tools (multiple overlaps of genomic regions) and databases for next-gen sequencing; regions/annotations database for bioinformatics data analysis.

Private sector (non-profit), bioinformatics, systems biology

October 1996 - November 2005

Lab Head / Unit Head, Novartis Research

Novartis Institute of Biomedical Research, Vienna, Austria

▪ **Head of the global In Silico Sciences Unit (2003-2005)**: Development of new computational tools in bioinformatics (protein structure analysis, docking), systems biology (analysis of gene expression time series) and cheminformatics (molecular surface comparison, high-throughput conformation analysis).
▪ **Head of the Computational Biology and Chemistry Group (1999-2003)**: Established a computational workflow from target discovery to lead optimisation by combining bio- and chemoinformatics. Contributed to numerous drug discovery projects.
▪ **Head of the Structural Bioinformatics Laboratory (1996-1999)**: Carried out applied bioinformatics research: protein modelling and function prediction, annotation analysis.

Private sector, pharmaceutical research, bioinformatics, systems biology, computational chemistry

June 1992 - September 1996

Postdoctoral Researcher

Division of Mathematical Biology, National Institutes for Medical Research, London, UK

▪ Developed novel distance geometry-based methods for the analysis and prediction of protein structures.

Public sector, biomedical research, theoretical structural biology

February 1991 - May 1992

Postdoctoral Researcher

Institute of Enzymology, Budapest, Hungary

▪ Studied the sequence-structure relationships in transglutaminases.

EDUCATION AND TRAINING

| September 1989 - February 1991 | **PhD (Biochemistry)** | *Summa cum laude* |

Eötvös Loránd University, Budapest, Hungary

▪ Thesis: "Molecular Mechanisms of Simple Learning Processes"

| September 1988 - August 1989 | **Soros Scholarship** |

Wadham College, University of Oxford, Oxford, UK

▪ Genetic engineering at the NERC Institute of Virology and at the Department of Pharmacology.
▪ Nonlinear dynamics of mammalian neurons at the Department of Pharmacology and at the MRC Anatomical Neuropharmacology Unit.

| September 1983 - July 1988 | **MSc (Chemistry)** | *Degree with distinction* |

Eötvös Loránd University, Budapest, Hungary. Degree with distinction.

▪ Awarded "Eminent Student of the Faculty"

PERSONAL SKILLS

Mother tongue — Hungarian

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
C2	C2	C2	C2	C2

English (row 1), German (row 2)

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
CEFR Level C1 = ILR Level 4 "Full professional proficiency"

Organisational / managerial skills
▪ Built up and led small research groups
▪ Organised training courses, statistics consultancy and software development efforts

Teaching experience
▪ Mentored PhD students
▪ Computational and biostatistics courses at the Vienna Biocenter (in English)
▪ Systems biology courses at the University of Vienna, Austria (in German and English)
▪ Computational biology course at the Aquincum Institute of Technology, Budapest, Hungary (for US computer science undergraduates studying abroad, in English)
▪ Enzyme kinetics lectures at the Eötvös Loránd University, Budapest, Hungary (in English and Hungarian)

Computer skills
▪ Programming languages: C, C++, Python, R, SQL. Parallel programming.
▪ System management experience: Linux, Mac OS X, HPC clusters

Driving licence
▪ B

ANNEXES

Publications
▪ Homepage: https://www.interquadrat.eu/aa/index.php
▪ List of publications available separately.
▪ Researcher ID: B-3393-2010 (http://www.researcherid.com)
▪ ResearchGate profile: http://www.researchgate.net/profile/Andras_Aszodi