

## Catalogue of institutions who offer to host systems biology researchers for training purposes for a short period

Please note: Participating research groups offer visits to their research groups on their own conditions. ERASysAPP only provides a list of groups who support the idea.

No.	Institution	Department	Country	Expertise / focus of your research group	Technologies, equipment, methodologies, etc. available at your research group	Offer	Contact person	E-Mail
1	Universitat Pompeu Fabra, Barcelona	Department of Experimental and Health Sciences	Spain	Dynamical systems, stochastic processes	Time-lapse fluorescence microscopy, computing facilities	Short and mid term visits to the lab; training will comprise introduction to dynamic modeling tools	Jordi Garcia-Ojalvo	jordi.g.ojalvo@upf.edu
2	Johann Wolfgang Goethe University Frankfurt am Main, Institute of Computer Science	Molecular Bioinformatics	Germany	Qualitative and quantitative systems biology, Petri nets, network analysis, data integration, protein structure topology	Petri nets, ODE, protein topology, modeling of signal transduction networks, metabolic networks, gene regulatory networks	Short-term visit of four weeks and more, the trainee will work on an own small project, he/she can choose, programming skills would be useful, the trainee can attend the bioinformatics courses given by the group	Ina Koch	ina.koch@bioinformatik.uni-frankfurt.de
3	University of Lausanne	Center for Integrative Genomics	Switzerland	Phenotyping and NGS sequencing	Plant phenotyping platform	Short-term visits to use our plant phenotyping platform & training for plant growth and movement data analysis; More information: <a href="http://unil.ch/cig/home/menuinst/research/research-groups/prof-fankhauser.html">http://unil.ch/cig/home/menuinst/research/research-groups/prof-fankhauser.html</a>	Christian Fankhauser	Christian.fankhauser@unil.ch
4	Université du Luxembourg	LCSB -Luxembourg Centre for Systems Biomedicine	Luxembourg	Modelling from time-series	Modelling from time-series; Prediction from changes in genotypes and network.	Short visits, training to our lab	Jorge Goncalves	jmg@uni.lu
5	Chalmers University of Technology	Biology and Bioengineering	Sweden	Genome-scale metabolic models, metabolomics	Fermentation and metabolomics platforms, computational biology	Short visit and training	Jens Nielsen, Stefan Hohmann	nielsenj@chalmers.se, stefan.hohmann@chalmers.se
6	Université du Luxembourg	LCSB - Eco-Systems Biology Group	Luxembourg	Extraction of biomolecules from environmental/human samples; Integrated meta-omics analysis; Microbial community structure and ecology	Computational: Meta-genomic/integrated meta-omics pipeline, VizBin; Wet-lab: In vitro culture models (HuMix), ...	Lab visits, training	Paul Wilmes	paul.wilmes@uni.lu
7	Università della Svizzera italiana	Institute of Computational Science	Switzerland	Modelling biochemical processes (gene networks, microbial ecosystems), Bioinformatics, Biophysics, Cell biomechanics, Particle-based methods, High-Performance computing	High-Performance computing/ various tools for bioinformatics and mathematical modelling (e.g. sensitivity analysis, Bayesian inference, clustering methods)	Short-term visit to the lab and introduction to data mining and analysis tools for high-throughput datasets	Igor Pivkin	igor.pivkin@usi.ch

8	University of Freiburg	Institute of Physics, Center for Systems Biology	Germany	Data-based modelling of signal transduction pathways	Parameter estimation in differential equation, statistics for identifiability and observability analysis	Short visits, training	Jens Timmer	jeti@uni-freiburg.de
9	University of Rostock	Dept of Systems Biology & Bioinformatics	Germany	Modelling and simulation, data analysis, network analysis.	Various approaches from systems theory.	Visits and training. Participation in group activities, lectures and courses.	Olaf Wolkenhauer	olaf.wolkenhauer@uni-rostock.de
10	École polytechnique fédérale de Lausanne (EPFL)	Chemistry, Chemical Engineering and Bioengineering	Switzerland	Mathematical modeling and analysis of metabolic networks, Bioenergetics, biophysical modeling, reaction engineering	Optimization, thermodynamics, kinetic modeling, nonlinear dynamics, rule-based modeling engineering	Short visit and training	Vassily Hatzimanikatis	vassily.hatzimanikatis@epfl.ch
11	Delft University of Technology	Department of Biotechnology	Netherlands	Eucaryotic metabolism, Quantitative metabolomics, 13C metabolic flux analysis, Chemostat cultivation	Bioreactor setups, MS/MS analytics, Modeling	Short stay training	Aljoscha Wahl	s.a.wahl@tudelft.nl
12	Linnaeus University	Biology & Environmental Sciences	Sweden	Microbial culturing, microbial community structure & ecology	Cell culturing	Short visit and training	Mark Dopson	mark.dopson@lnu.se
13	University of Greifswald	Institute of Bioinformatics	Germany	Mathematical modeling, dynamical systems, High-Throughput Data Analysis, Network Bioinformatics, Machine Learning	ODE, Stochastic Models, Machine Learning, Various Bioinformatics Approaches	Short- to Mid-Term Visits, Collaboration on joint projects	Lars Kaderali	lars.kaderali@uni-greifswald.de
14	University of Vienna	Department of Ecogenomics and Systems Biology, Division Molecular Systems Biology (MOSYS)	Austria	Metabolomics, Proteomics, Phosphoproteomics, Panomics, Biochemical Modelling, Data integration, multivariate statistics, linking genome-scale metabolic reconstruction with dynamic molecular data and metabolic modelling to predict the genotype-phenotype relation in microbes, plants and animals	Large mass spectrometry facility for integrated metabolomics/proteomics/phospho proteomics approaches in microbes, plants and animals; Toolbox for data integration, multivariate statistics and metabolic modelling	Training in metabolomics including data mining; Training in panomics	Wolfram Weckwerth	wolfram.weckwerth@univie.ac.at
15	University College Dublin	Systems Biology Ireland	Ireland	Network biology: mapping, reconstruction and analysis of signal transduction networks, mainly in cancer and inflammatory diseases; personalised medicine	<b>Experimental:</b> Proteomics; core technology facilities for genomics, proteomics, flow cytometry, imaging, research pathology: <a href="http://www.ucd.ie/conway/research/coretechnologies/">http://www.ucd.ie/conway/research/coretechnologies/</a> . <b>Computational:</b> Mechanistic modelling; statistical modelling; pathway inference	Research visits for collaborations and joint projects. Training.	Walter Kolch Eadaoin McKiernan	walter.kolch@ucd.ie, eadaoin.mckiernan@ucd.ie
16	Forschungszentrum Jülich	IBG-1: Biotechnology	Germany	Molecular pathway engineering, Biosensor design, Phenotyping, Quantitative omics	Molecular biology facilities, FACS, Phenotyping and omics platform	Short-term visit to the lab and training	Jan Marienhagen, Stephan Noack	j.marienhagen@fz-juelich.de s.noack@fz-juelich.de