

Curriculum Vitae

Dr. Tim Meyer

Dep. of Pharmacology and Toxicology,
University Medical Center Göttingen
Robert-Koch-Str. 40
37075 Göttingen
Germany

Tel: +49 (0) 176 866 70 682
E-mail: tim.meyer@med.uni-goettingen.de



Career

- Since 2013 Postdoctoral Scientist, University Medical Center Göttingen, Department of Pharmacology
- 2009 - 2013 Postdoctoral Scientist, Max Planck institute for biophysical chemistry
- 2009 PhD, University of Barcelona. PhD in Biomedicine
- 2002 Diploma Thesis. The Scripps Institute, San Diego.
- 2001 2002 Ecole Supérieure de Biotechnologie Strasbourg. Advanced Studies in Biotechnology
- 1999 University of Western Sydney. Undergraduate studies in Biotechnology
- 1996 - 1998 University of Freiburg. Undergraduate studies in Chemistry

Selected Publications

Ernesto Diaz-Flores, **Tim Meyer**, Alexis Giorkallos. *Evolution of Artificial Intelligence-Powered Technologies in Biomedical Research and Healthcare*. 2022, Adv Biochem Eng Biotechnol. doi 10.1007/10_2021_189.

Robert Söldner , Sophia Rheinländer, **Tim Meyer**, Michael Olszowy, Jonas Austerjost. *Human–Device Interaction in the Life Science Laboratory* 2022. Adv Biochem Eng Biotechnol.

Tim Meyer, Malte Tiburcy, WH Zimmermann. *Cardiac macrotissues-on-a-plate models for phenotypic drug screens*. Adv Drug Deliv Rev. 2019, doi: 10.1016/j.addr.2019.03.002.

Montse Barbany, **Tim Meyer**, ..., Xavier de la Cruz. *Molecular dynamics study of naturally existing cavity couplings in proteins*. PLoS One. 2015 doi: 10.1371/journal.pone.0119978.

Malte Tiburcy, **Tim Meyer**, PL Soong, WH Zimmermann. *Collagen-based engineered heart muscle*. Methods Mol Biol. 2014 doi: 10.1007/978-1-4939-1047-2_15.

Tim Meyer, Valérie Gabelica, Helmut Grubmüller, Modesto Orozco *Proteins in the gas phase* Interdisciplinary Reviews: Computational Molecular Science 2012 DOI 10.1002/wcms.1130. Wiley Online Library.

Ulf Hensen, **Tim Meyer**, Jürgen Haas, René Rex, Gert Vriend, Helmut Grubmüller. *Exploring protein dynamics space: The dynasome as the missing link between structure and function*. PLoS ONE 2012 (7) e33931.

Tim Meyer, Marco D'Abramo, Adam Hospital, Manuel Rueda, Carles Ferrer-Costa, Alberto Perez, Oliver Carrillo, Jordi Camps, Carles Fenollosa, Dmitry Repchevsky, Josep Lluís Gelpi, and Modesto Orozco, *MoDEL (Molecular Dynamics Extended Library): A Database of Atomistic Molecular Dynamics Trajectories*. Structure 2010 (11) 1399 - 1409.

Tim Meyer, Xavier de la Cruz, Modesto Orozco *An Atomistic View to the Gas Phase Proteome*. Structure 2009 (17) 88-95.

Manuel Rueda, Carles Ferrer-Costa, **Tim Meyer**, Alberto Pérez, Jordi Camps, Adam Hospital, Josep Lluís Gelpi, Modesto Orozco *A Consensus View of Protein Dynamics*. PNAS 2007 (104) 796-801.

Conference Talks

Engineered human myocardium for safety and efficacy screens of cardioactive compounds (2018), Berlin

Video-Optical Analysis of Engineered Human Myocardium in a 48 Well Format Euro Toxicology Meeting (2018) CMBBE meeting, Lisbon.

Engineered Heart Muscle in Drug Screening (2016) Biophysics By The Sea, Port Pollenca

German-Swedish Biophysical Society Meeting, Hünfeld June 22-4, 2011. How protein structure and function relate to dynamics

XVII GGMM France Meeting, La Rochelle May 30 + June 1, 2011. How protein structure and function relate to dynamics

How protein structure and function relate to dynamics (2011) XVII GGMM France Meeting, La Rochelle

Exascale meeting, Barcelona December 13-15, 2010. Analyzing the dynasome: How do protein structure and function relate to dynamics.

Analyzing the Dynasome: How do protein structure and function relate to dynamics (2010) Exascale meeting, Barcelona

Protein Desolvation under ESI conditions (2009), XVI GGMM meeting, Mittelwihr

XVI GGMM France Meeting, Mittelwihr May, 5-7 2009. Protein Desolvation under ESI conditions

XI Encuentro Peptidico Iberico, Santiago de Compostela, Spain. 6/7 March 2008. The Gas Phase Proteome

The Gas Phase Proteome (2008) XI Encuentro Peptidico Iberico, Santiago de Compostela