



**CHEMBIOMOL-01: Chem. Biol. & Med. Chem. Workshop,
Rostock, Germany-Galveston, Texas, USA, 2020**

MOL2NET, International Conference Series on Multidisciplinary Sciences

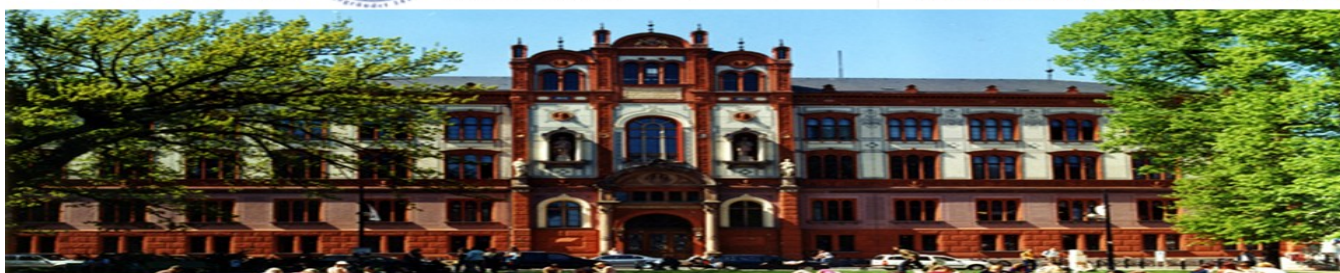
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CHEMBIOMOL-01: Chem. Biol. & Med. Chem. Workshop, Rostock, Germany-
Galveston, Texas, USA, 2020

Prof. **Peter Langer**, Prof. **Jia Zhou**³,
Dr. **Aliuska Duardo-Sanchez**⁴, Prof. **Humberto González-Díaz**^{5,6}

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ABSTRACT: CHEMBIOMOL-01: Chem. Biol. & Med. Chem. Workshop, Galveston, Texas-Harvard, Boston, **USA**, 2020 is an inter-university workshop. It is aimed to become an online reference international science workshop series on both experimental and computational Biomolecular and Biomedical Sciences. On one side the workshop is chaired and co-hosted by professors of the Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, and the Department of Earth and Planetary Sciences, Harvard University (**HARVARD**), Boston, **USA**. On the other side, the workshop is chaired and co-hosted by professors of the Dept. of Pharmacology and Toxicology (**PHTOX**), University of Texas Medical Branch, Galveston, **USA**. This first edition is dedicated to Dr. Allen Reitz for his successful activity as Founder Editor in Chief of the journal Current Topics in Medicinal Chemistry. This workshop is associated to the **MOL2NET International Conference Series on Multidisciplinary Sciences**. MOL2NET (From Molecules to Networks) series is running this year MOL2NET-2020, International Conference on Multidisciplinary Sciences, ISSN: 2624-5078, MDPI SciForum, Basel, Switzerland, 2020. Consequently, it is co-chaired and promoted as well by researchers of the **University of The Basque Country (UPV/EHU)** and **IKERBASQUE, Basque Foundation for Science**, Bilbao, **Basque Country, Spain**. The link of the workshop is: <https://mol2net-06.sciforum.net/chembiomol-01>

CHEMBIOMOL-01: Chem. Biol. & Med. Chem. Workshop, Rostock, Germany-Galveston, Texas-Harvard, Boston, USA, 2020 is an inter-university, transatlantic workshop. It is aimed to become a reference international science workshop series on both experimental and computational Bio-molecular and Biomedical Sciences. On Americas' side the workshop is chaired and co-hosted by professors of the Dept. of Pharmacology and Toxicology (**PHTOX**), University of Texas Medical Branch, Galveston, USA. On the other hand, from the Europe's side the workshop is co-chaired by professors of Universität Rostock Institut für Chemie Abteilung für Organische Chemie Rostock (**UROSTOCK**), Rostock, Germany and Dept. of Org. and Inorg. Chemistry, University of The Basque Country (**UPV/EHU**) and **IKERBASQUE, Basque Foundation for Science**, Bilbao, Basque Country, Spain. The workshop makes also a farewell dedicated to Dr. **Allen B. Reitz**, Ph.D., CEO Fox Chase Chemical Diversity Center, Inc., Doylestown, PA, USA. for their long and successful activity as the Founder EIC of Current Topics in Medicinal Chemistry (**CTMC**).

Host Conference & Sponsor Projects. This workshop is associated to the **MOL2NET International Conference Series on Multidisciplinary Sciences**. MOL2NET (From Molecules to Networks) series is running this year MOL2NET-2020, International Conference on Multidisciplinary Sciences, ISSN: 2624-5078, MDPI SciForum, Basel, Switzerland, 2020. The workshop also promotes the academic interchange on the previous topics and in this sense is also supported by the **ERASMUS+** agreement for academic interchange between the Universität Rostock Institut für Chemie Abteilung für Organische Chemie Rostock (**UROSTOCK**), Rostock, Germany and Dept. of Org. Chemistry II, University of The Basque Country (**UPV/EHU**), Basque Country, Spain. The workshop is also sponsored by European Commission (**EC**) Project (**PANELFIT H2020**) focused on the use of TICs in Bio-Molecular Experimental Sciences of **H2020 Research and Innovation Programme, Europe**.

Experimental Sciences Topics: CHEMBIOMOL series focus on experimental research on the frontiers of Biomolecular and Biomedical Sciences including: Organic Chemistry, Organic Synthesis, Medicinal Chemistry, Chemical Biology, Molecular Pharmacology, Toxicology, Biotechnology, Biomedical Engineering, Systems Biology, Self-Organized Biosystems, etc. This includes spectroscopic structural characterization (NMR, X-Ray, IR, MS, etc.), Organic synthesis, Biological Assays, Proteomics, Protein Structure, Biophysics, Genomics, Toxicity tests, etc.

Computational Sciences Topics: In addition, the workshop also deals with the application of new Information and Communication Technologies (ICTs) in the previous experimental areas. This includes, Chemoinformatics, Bioinformatics, Data Analysis, Statistics, Artificial Intelligence, Deep Learning, Programming, Databases, Complex Network Analysis of Biosystems, Complexity in Biosystems, Multiscale Systems, Chemical Computation, Theoretical Biology, etc.

Bioethics & Regulatory Topics: Last, not the least, the workshop deals with all the Legal, Regulatory, and Bioethics issues emerging from use of new experimental and ICTs in the previous areas such as Drug Patenting, Drug re-purposing patents, Proteome and Genome patentability, Synthetic Biology, Modified Organisms, Biomedical Personal Image Processing, Personal Data Protection, Personalized Medicine, Software and Models Copyrights, etc.

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Prof. Jia Zhou

Prof. [Jia Zhou](#), Department of Pharmacology and Toxicology, University of Texas Medical Branch, Galveston, TX, USA. (EIC [Current Topics in Medicinal Chemistry](#))





Drug Discovery Research Capabilities



Translating biomedical research into commercial opportunities

Allen B. Reitz, Ph.D.

CEO Fox Chase Chemical Diversity Center, Inc.
Adjunct Professor at Drexel University College of Medicine,
Moore Fellow in the Management of Technology (U. Penn.)
CEO & Founder of ALS Biopharma, LLC



Dr. [Allen B. Reitz](#), Ph.D., CEO Fox Chase Chemical Diversity Center, Inc., Doylestown, PA, USA. (Founder EIC [Current Topics in Medicinal Chemistry](#))

Prof. Peter Langer



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References

1. Farewell to Dr. Allen B. Reitz, Curr. Top. Med. Chem., 2021, 21 (1), doi: 10.2174/156802662101201211094110
2. MOL2NET: FROM MOLECULES TO NETWORKS (PROC. BOOK), ISSN: 2624-5078, 2019, Vol. 5, 31 pp.
3. MOL2NET: FROM MOLECULES TO NETWORKS (PROC. BOOK), ISBN: 978-3-03842-820-6, 2019, Vol. 4, 2985 pp.
4. MOL2NET: FROM MOLECULES TO NETWORKS (PROC. BOOK), 2018, Vol. 3, 679 pp.