

Mon, Nov. 27,
2017

15:15 – 16:30

Freie Universität Berlin
Physics Department
Lecture Hall B

(Arnimallee 14, 14195 Berlin-Dahlem)

➤ Colloquium

➤ **Dr. Han Sun** – Leibniz Forschungsinstitut für Molekulare Pharmakologie,
Berlin

Dynamics of ion channel regulation and selectivity

Dr. Sun's research projects comprise

- Permeation and gating of ion channels
- Stereochemistry of complex natural products
- Protein ligand interaction

Exemplary publications include

Schewe, M.; Nematian-Ardestani, E.; Sun, H.; Musinszki, M.; Cordeiro, S.; Bucci, G.; de Groot, B. L.; Tucker, S. J.; Rapedius, M.; Baukowitz, T.: *A Non-canonical Voltage-Sensing Mechanism Controls Gating in K2P K⁺ Channels*. Cell 2016, 164 (5), 937.

Zong, W.; Li, G.-W.; Cao, J.-M.; Lei, X.; Hu, M.-L.; Sun, H.; Griesinger, C.; Tan, R. X.: *An Alignment Medium for Measuring Residual Dipolar Couplings in Pure DMSO: Liquid Crystals from Graphene Oxide Grafted with Polymer Brushes*. Angew. Chem. Int. Ed. 2016, 55 (11), 3690.

Sun, H.; Reinscheid, U. M.; Whitson, E. L.; d'Auvergne, E. J.; Ireland, C. M.; Navarro-Vázquez, A.; Griesinger, C.: *Challenge of Large-Scale Motion for Residual Dipolar Coupling Based Analysis of Configuration: The Case of Fibrosterol Sulfate* A. J. Am. Chem. Soc. 2011, 133 (37), 14629.

Gil, R. R.; Griesinger, C.; Navarro-Vázquez, A.; Sun, H. In Structure Elucidation in Organic Chemistry; Wiley-VCH Verlag GmbH & Co. KGaA: Weinheim, Germany, 2014; pp 279–324

Coffee and tea are ready at 15:00 and during the break from 16:15 – 16:30.

www.sfb1078.de