

August 7<sup>th</sup>, 2024  
10:30~11:30  
iGCORE岐阜研究棟1F  
Glyco Hall (+ZOOM)

# iGCORE Seminar



Human Glycome Atlas Project

J-GlycoNet

Supported by iGCORE, J-GlycoNet, and HGA

## Prof. Robert J. Doerksen

Department of BioMolecular Sciences and Research Institute of  
Pharmaceutical Sciences, School of Pharmacy, University of  
Mississippi



**Seminar title:** Computational glycoscience: Collaborations  
to solve challenging and relevant problems in human health

**Keywords:** Protein modeling; Molecular docking; Molecular dynamics;  
Glycosyltransferases; Sulfated galactans

### References:

- P Samanta; SK Mishra; VH Pomin; RJ Doerksen “Docking and molecular dynamics simulations clarify binding sites for interactions of novel marine sulfated glycans with SARS-CoV-2 spike glycoprotein,” *Molecules* 28, 6413 (2023). doi: 10.3390/molecules28176413 PMID: 37687244
- M Nagae; T Hirata; H Tateno; SK Mishra; N Manbe; N Osada; Y Tokoro; Y Yamaguchi; RJ Doerksen; T Shimizu; Y Kizuka “Discovery of a lectin domain that regulates enzyme activity in mouse N-acetylglucosaminyltransferase-IVa (MGAT4A),” *Communications Biology* 5, 695 (2022). doi: 10.1038/s42003-022-03661-w PMID: 35854001

オンライン参加のお申し込みはこちらから [Click here to register](https://zoom.us/meeting/register/tJMsdOyqpj4sGdetV0MdgWNMmF6fWEK7x-dp)

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セミナーに関するお問い合わせ: [contact\\_igcore@t.gifu-u.ac.jp](mailto:contact_igcore@t.gifu-u.ac.jp)

Contact: [contact\\_igcore@t.gifu-u.ac.jp](mailto:contact_igcore@t.gifu-u.ac.jp)

