



CRASH COURSE

Seeing the Unseen Enemy in Three-Dimensions:

Structural Biology of SARS-CoV-2 and the COVID-19 Pandemic

REGISTRATION

Participation is free but you must register. The virtual meeting information will be emailed to the address you specify in the registration form:

bit.ly/2TheXQp

QUESTIONS

Contact Michelle Sanghera
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ORGANIZERS



Institute for Quantitative Biomedicine (IQB)
 Rutgers University
iqb.rutgers.edu



RCSB Protein Data Bank
rcsb.org

Thursday, November 19 | 1:00 PM

ONLINE

Program

Co-Chairs: Stephen K. Burley, M.D., D.Phil. and Sagar Khare, Ph.D.

- 1:00–1:05 pm ***IQB Welcome/Introductions***
 Stephen K. Burley, M.D., D.Phil. (IQB, NB SAS-C&CB, CINJ)
- 1:05–1:15 pm ***Opening Remarks***
 Prabhas V. Moghe, Ph.D. (EVPAA, NB SOE-BME/CBE, CINJ)
- 1:15–1:45 pm ***Viral Proteins and their Roles in the Virus Life Cycle***
 David S. Goodsell, Ph.D. (RCSB PDB, IQB)
- 1:45–2:15 pm ***Papain-Like Protease***
 Sagar Khare, Ph.D. (IQB, NB SAS-C&CB, CINJ)
- 2:15–2:45 pm ***Main Protease***
 Stephen K. Burley, M.D., D.Phil. (RCSB PDB)
- 2:45–3:00 pm ***Break***
- 3:00–3:30 pm ***RNA-dependent RNA Polymerase***
 Thejasvi Venkatachalam, B.A. (RCSB PDB, NB SAS-MB&B)
- 3:30–4:00 pm ***Surface Glycoprotein Spike Protein***
 Jonathan Williams, Ph.D. (SAS-C&CB)
- 4:00–4:30 pm ***E-Protein Pentameric Ion Channel***
 Grace Brannigan, Ph.D. (Camden CAS-Physics)
- 4:30–5:00 pm ***Concluding Remarks/Acknowledgments***
 Sagar Khare, Ph.D.