



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

PhD Student Positions at University of North Carolina at Chapel Hill (USA)

PhD student positions are available in the Kanai research group at the University of North Carolina at Chapel Hill (UNC). The group's activities are primarily focused on the development and application of first-principles electronic structure methods, especially for studying excited state properties and non-equilibrium dynamics in condensed matter systems. Our recent method development efforts have centered on (1) all-electron NAO based GW/BSE and real-time TDDFT (RT-TDDFT) with FHI-aims code and (2) Planewave-pseudopotential based RT-TDDFT with Qb@ll and INQ codes.

See <http://kanai.chem.unc.edu/Home.html> for recent publications.

The students may pursue a PhD degree either in Physical Chemistry or in Condensed Matter Physics, through

Department of Chemistry

<https://chem.unc.edu/graduate-programs-intro/graduate-application/>

Department of Physics and Astronomy

<https://physics.unc.edu/grad/#appProc>

University of North Carolina at Chapel Hill (UNC) is the oldest public university in the US, and it offers an exciting and vibrant research community environment. Chapel Hill, North Carolina, is part of the culturally diverse region, *Research Triangle*, anchored by three world-class research universities (University of North Carolina at Chapel Hill, Duke University, and North Carolina State University) surrounding high-tech and pharmaceutical companies in Research Triangle Park.

Motivated PhD student candidates are invited to send

- Brief research background statement
- Academic transcript
- CV

to Prof. Yosuke Kanai (ykanai@unc.edu) with the subject line "PHD".

Yosuke Kanai, Ph.D.

Professor, Department of Chemistry

Adjunct Professor, Department of Physics and Astronomy

University of North Carolina at Chapel Hill