Siyuan (Steven) Wang, Ph.D.

Sterling Hall of Medicine I 342A (Office)
Nathan Smith Building 387 (Lab)
333 Cedar Street
New Haven, CT 06510

Office Phone: (203)785-4511
Lab Phone: (203)737-1650
E-mail: siyuan.wang@yale.edu

ACADEMIC APPOINTMENTS

Tenure-Track Assistant Professor of Genetics and Cell Biology — 2017-present
Yale School of Medicine, **Yale University**

Postdoctoral Fellow with Prof. Xiaowei Zhuang — 2011-2017
Department of Chemistry and Chemical Biology, **Harvard University**

EDUCATION

Princeton University, Princeton, NJ — 2007-2011
Ph.D. in Molecular Biology
Advisors: Prof. Ned S. Wingreen and Prof. Joshua W. Shaevitz

Peking University, Beijing, China — 2003-2007
B.S. in Physics
Advisor: Prof. Qi Ouyang

AWARDS AND HONORS

- NCI U01 Award — 2020-2025
- NHGRI R01 Award — 2020-2024
- NCI R33 Award — 2020-2023
- NIH Director's New Innovator Award — 2019-2024
- MIT Technology Review 35 Innovators Under 35 of China — 2018
- Harvard Chinese Life Sciences Distinguished Research Award — 2017
- International Union of Pure and Applied Physics Young Scientist Prize in Biological Physics (1 recipient per year worldwide) — 2016
- Jane Coffin Childs Fellowship (27 recipients per year in the US) — 2012-2015

- Award for Outstanding Doctoral Thesis Research in Biological Physics, American Physical Society (1 recipient per year in the US) — 2011
- Travel Grant, Annual *q-bio* Summer School on Cellular Information Processing, Los Alamos National Laboratory — 2008
- Top Ten Academic Stars Award, Peking University (highest undergraduate academic honor) — 2007
- First Prize in Outstanding Research Awards, School of Physics, Peking University (2 out of 199) — 2006
- *Chun-Tsung* Scholar, Peking University (top undergraduate research fund) — 2006
- *Benz* Fellowship, Peking University (48 out of about 14,000) — 2003 - 2007

PUBLICATIONS

A. Spatial omics and related imaging technology development

1. Yubao Cheng, Miao Liu, Mengwei Hu, Siyuan Wang, TAD-like single-cell domain structures exist on both active and inactive X chromosomes and persist under epigenetic perturbations, *bioRXiv*, doi: https://doi.org/10.1101/2021.05.12.443887, (2021).
2. Miao Liu, Bing Yang, Mengwei Hu, Jonathan S.D. Radda, Yanbo Chen, Shengyan Jin, Yubao Cheng, Siyuan Wang, Chromatin tracing and multiplexed imaging of nucleosome architectures (MINA) and RNAs in single mammalian cells and tissue, *Nature Protocols*, Volume 16, Pages 2667-2697, (2021).
3. Yanfang Lu, Miao Liu, Jennifer Yang, Sherman M. Weissman, Xinghua Pan, Samuel G. Katz, Siyuan Wang, Spatial transcriptome profiling by MERFISH reveals fetal liver hematopoietic stem cell niche architecture, *Cell Discovery*, in press, (2021).
4. Mengwei Hu, Bing Yang, Yubao Cheng, Jonathan S.D. Radda, Yanbo Chen, Miao Liu, Siyuan Wang, ProbeDealer is a convenient tool for designing probes for highly multiplexed fluorescence in situ hybridization, *Scientific Reports*, Volume 10, Number 22031, (2020).
5. Mengwei Hu, Siyuan Wang, Chromatin tracing: Imaging 3D genome and nucleome, *Trends in Cell Biology*, doi: https://doi.org/10.1016/j.tcb.2020.10.006, (2020).
6. Miao Liu, Yanfang Lu, Bing Yang, Yanbo Chen, Jonathan S.D. Radda, Mengwei Hu, Samuel G. Katz, Siyuan Wang, Multiplexed imaging of nucleome architectures in single cells of mammalian tissue, *Nature Communications*, Volume 11, Number 2907, (2020). *bioRXiv*, doi: https://doi.org/10.1101/2019.12.20.885277, (2019).

7. Ahilya N. Sawh, Maxwell E.R. Shafer, Jun-Han Su, Xiaowei Zhuang, Siyuan Wang, Susan E. Mango, Lamina-dependent stretching and unconventional chromosome compartments in early C. elegans embryos, *Molecular Cell*, Volume 78, Issue 1, Pages 96-111, (2020).
8. Andrew E. S. Barentine, Yu Lin, Miao Liu, Phylicia Kidd, Leonhard Balduf, Michael R. Grace, Siyuan Wang, Joerg Bewersdorf, David Baddeley, 3D Multicolor Nanoscopy at 10,000 Cells a Day, *bioRXiv*, doi: https://doi.org/10.1101/606954, (2019).
9. Jinrong Wu, Wei Qu, Guangsu Huang, Siyuan Wang, Cheng Huang, Han Liu, Super-Resolution Fluorescence Imaging of Spatial Organization of Proteins and Lipids in Natural Rubber, *Biomacromolecules*, Volume 18, Issue 6, Pages 1705-1712, (2017).
10. Siyuan Wang, Jun-Han Su, Brian J. Beliveau, Bogdan Bintu, Jeffrey R. Moffitt, Chao-ting Wu, Xiaowei Zhuang, Spatial organization of chromatin domains and compartments in single chromosomes, *Science*, Volume 353, Issue 6299, Pages 598-602, DOI: 10.1126/science.aaf8084, (2016).
11. Siyuan Wang#, Jun-Han Su, Feng Zhang and Xiaowei Zhuang, An RNA-aptamer-based two-color CRISPR labeling system, *Scientific Reports*, Volume 6, Article 26857, (2016). #Corresponding author.
12. Alistair N. Boettiger, Bogdan Bintu, Jeffrey R. Moffitt, Siyuan Wang, Brian J. Beliveau, Geoffrey Fundenberg, Maxim Imakaev, Leonid A. Mirny, Chao-ting Wu, and Xiaowei Zhuang, Super-resolution imaging reveals distinct chromatin folding for different epigenetic states, *Nature*, Volume 529, Pages 418-422, (2016).
13. Jeffrey R. Moffitt, Shristi Pandey, Alistair N. Boettiger, Siyuan Wang, Xiaowei Zhuang, Spatial organization shapes the turnover of a bacterial transcriptome, *Elife*, Volume 5, Article e13065, (2016).
14. Kok Hao Chen, Alistair N. Boettiger, Jeffrey R. Moffitt, Siyuan Wang, and Xiaowei Zhuang, Spatially resolved, highly multiplexed RNA profiling in single cells, *Science*, Volume 348, Issue 6233, aaa6090, (2015).
15. Siyuan Wang, Jeffrey R. Moffitt, Graham T. Dempsey, X. Sunney Xie and Xiaowei Zhuang, Characterization and development of photoactivatable fluorescent proteins for single-molecule-based superresolution imaging, *PNAS*, Volume 111, Issue 23, Pages 8452-8457, (2014).
16. Xinliang Xu, Hao Ge, Chan Gu, Yi Qin Gao, Siyuan S. Wang, Beng Joo Reginald Thio, James T. Hynes, X. Sunney Xie, and Jianshu Cao, Modeling spatial correlation of DNA deformation: DNA allostery in protein binding, *The Journal of Physical Chemistry B*, Volume 117, Issue 42, Pages 13378-13387, (2013).
17. Sangjin Kim, Erik Brostromer, Dong Xing, Jianshi Jin, Shasha Chong, Hao Ge, Siyuan Wang, Chan

Gu, Lijiang Yang, Yi Qin Gao, Xiao-dong Su, Yujie Sun, and X. Sunney Xie, Probing Allostery Through DNA, *Science*, Volume 339, Issue 6121, Pages 816-819, (2013).

B. Bacterial cytoskeleton and cell wall

18. Siyuan Wang and Ned S. Wingreen, Cell shape can mediate the spatial organization of the bacterial cytoskeleton, *Biophysical Journal*, Volume 104, Issue 3, Pages 541-552, (2013).
19. Siyuan Wang# and Joshua W. Shaevitz, The mechanics of shape in prokaryotes, *Frontiers in Bioscience (Scholar Edition)*, Volume 5, Pages 564-574, (2013). #Corresponding author.
20. Siyuan Wang, Leon Furchtgott, Kerwyn Casey Huang and Joshua W. Shaevitz, Helical insertion of peptidoglycan produces chiral ordering of the bacterial cell wall, *PNAS*, Volume 109, Issue 10, Pages E595-E604, (2012).
21. Sven van Teeffelen, Siyuan Wang, Leon Furchtgott, Kerwyn Casey Huang, Ned S. Wingreen, Joshua W. Shaevitz and Zemer Gitai, The bacterial actin MreB rotates, and rotation depends on cell-wall assembly, *PNAS*, Volume 108, Issue 38, Pages 15822-15827, (2011).
22. Siyuan Wang, Hugo Arellano-Santoyo, Peter A. Combs and Joshua W. Shaevitz, Actin-like cytoskeleton filaments contribute to cell mechanics in bacteria, *PNAS*, Volume 107, Issue 20, Pages 9182-9185, (2010).
23. Siyuan Wang, Hugo Arellano-Santoyo, Peter A. Combs and Joshua W. Shaevitz, Measuring the bending stiffness of bacterial cells using an optical trap, *Journal of Visualized Experiments*, Volume 38, doi: 10.3791/2012, (2010).

C. Gene regulatory network dynamics (undergraduate publications)

24. Ming Ni*, Siyuan Wang* and Qi Ouyang, Modelling the SOS response by semi-stochastic simulation, *Chinese Physics Letters*, Volume 25, Number 7, Pages 2702-2705, (2008). *Co-first authors.
25. Ming Ni, Siyuan Wang, Jikun Li and Qi Ouyang, Simulating the temporal modulation of inducible DNA damage response in *Escherichia coli*, *Biophysical Journal*, Volume 93, Issue 1, Pages 62-73, (2007).
26. Siyuan Wang, Yuping Zhang and Qi Ouyang, Stochastic model of coliphage lambda regulatory network, *Physical Review E*, Volume 73, Issue 4, Article 041922, (2006).

PATENTS

1. Systems and methods for determining nucleic acids, US20170220733A1
2. Photoconvertible fluorescent proteins, WO2015160690A1

GRANTS

Ongoing Research Support

Agency: NIH/NIGMS
I.D.# DP2 GM137414
Title: "Building the 3D genomic regulatome"
P.I.: Siyuan Wang, Ph.D.
Total costs for project period: $2,512,500
Project period: 09/30/2019 – 05/31/2024

Agency: NIH/NCI
I.D.# R33 CA251037
Title: "Multiplexed imaging of chromatin folding and RNA profiles in cancer"
P.I.: Siyuan Wang, Ph.D. Mandar Deepak Muzumdar, MD
Total costs for project period: $1,237,899
Project period: 08/01/2020 – 07/31/2023

Agency: NIH/NHGRI
I.D.# R01 HG011245
Title: "Integrative single-cell spatial genomic, transcriptomic, and epigenetic imaging in mammalian tissue"
P.I.: Siyuan Wang, Ph.D.
Total costs for project period: $2,111,787
Project period: 08/10/2020 – 05/30/2024

Agency: NIH/NCI
I.D.# U01 CA260701
Title: "Genome Architecture in Human Germinal Center B Cell Development, Malignancy, and Somatic Hypermutation"
P.I.: David G. Schatz, Ph.D. Siyuan Wang, Ph.D.
Total costs for project period: $3,203,465
Project period: 09/15/2020 – 08/31/2025

Completed Research Support

Agency: Yale Alzheimer Disease Research Center Pilot
I.D.# P30AG066508
PI: Pallavi Gopal, MD, PhD
Role on Project: Co-investigator

Project period: 6/1/2020-4/30/2021

Agency: NIH/NIDA
I.D.# U01 DA047734
Title: "An Integrated Imaging System for High-throughput Nanoscopy of the 4D Nucleome"
P.I.: Joerg Bewersdorf, Ph.D.
Role on Project: Co-investigator
Total costs for project period: $660,000
Project period: 07/01/2018 – 06/30/2020

Agency: NIH/NIDDK
I.D.# P30 DK34989 – Pilot Project
Title: "Imaging-based 3D genomics and transcriptomics in aging liver"
P.I.: Siyuan Wang, Ph.D.
Total costs for project period: $25,000
Project period: 09/01/2018 – 08/31/2019

Agency: Jane Coffin Childs Foundation
I.D.# 61-1501
Title: "Chromatin imaging with STORM-FRET labels"
P.I.: Siyuan Wang, Ph.D.
Total costs for project period: $154,500
Project period: 07/01/2012 – 06/30/2015

ACADEMIC TALKS

CONFERENCE PRESENTATIONS

Invited talk, "Image-based spatial genomics and multiomics", 2020 Sino-American Pharmaceutical Professionals Association Annual Conference, November 2020

Talk, "Multiplexed imaging of nucleome architectures in single cells of mammalian tissue"**,** CSHL Meeting: Systems Biology – Global Regulation of Gene Expression, March 2020

Invited talk, "Image-based 3D genomics", 2019 Telluride Workshop on Physical Genomics and Transcriptional Engineering, February 2019

Invited talk, "Imaging the 3D genome", MIT Technology Review EmTech China, January 2019

Invited talk, "Spatial organization of chromatin domains and compartments in single chromosomes", International Union of Pure and Applied Physics Young Scientist Prize talk, 9th International Conference on Biological Physics, June 2017

Talk, "Spatial organization of chromatin domains and compartments in single chromosomes", 2017 American Physical Society March Meeting, March 2017

Invited talk, "Imaging the spatial organization of chromosomes in fixed and live cells", 2016 American Society for Cell Biology Annual Meeting, December 2016

Talk, "Spatial organization of chromatin domains and compartments in single chromosomes", 2016 American Society for Cell Biology Annual Meeting, December 2016

Talk, "Spatial organization of chromatin domains and compartments in single chromosomes", Northeast Regional Chromosome Pairing Conference, Harvard Medical School, October 2016

Talk, "Spatial organization of topologically associated domains in individual chromosomes", Epigenetics & Chromatin Meeting, Cold Spring Harbor Laboratory, September 2016

Invited panelist, 22nd Annual Boson Bacterial Meeting, Superresolution Breakout Session, June 2016

Talk, "Cell shape can mediate the spatial organization of the bacterial cytoskeleton", American Physical Society March Meeting, March 2013

Invited talk, "DBIO Best Thesis Award: Mechanics, Dynamics, and Organization of the Bacterial Cytoskeleton and Cell Wall", American Physical Society March Meeting, March 2012

EXTERNAL SEMINARS

Invited talk, "Studying cancer nucleome architectures with chromatin tracing and MINA", National Cancer Institute, March 2021

Invited talk, "Image-based spatial genomics and multiomics", Rutgers University, Jan 2021

Talk, "Image-based spatial genomics and transcriptomics", RNA Collaborative Seminar Series (by RNA Society), August 2020

Talk, "Multiplexed imaging of nucleome architectures in single cells of mammalian tissue", Fragile Nucleosome Seminar Series (international virtual seminar series attended by >2,500 scientists from >45 countries), June 2020

Invited talk, "Multiplexed imaging of nucleome architectures in single cells of mammalian tissue", Spatial Omics Seminar Series (international virtual seminar series organized by Georgia Tech and Yale University), April 2020

Invited talk, "Imaging Genomic Architectures and RNA profiles in Single Cells in Mammalian Tissue", Tsinghua University Department of Chemistry Seminar, Beijing, China, October 2019

Invited job talk, Division of Genetics and Genomics, Boston Children's Hospital – Harvard Medical School, April 2017

Invited job talk, Chan Zuckerberg Biohub, March 2017

Invited job talk, Department of Pathology and Cell Biology, Columbia University, March 2017

Invited job talk, Department of Cell and Developmental Biology, Vanderbilt University, February 2017

Invited job talk, Department of Biological Chemistry, University of California Los Angeles, February 2017

Invited job talk, Lewis-Sigler Institute, Princeton University, February 2017

Invited job talk, Department of Genetics, Yale School of Medicine, January 2017

Invited job talk, Department of Molecular, Cellular and Developmental Biology, Yale University, January 2017

Invited job talk, Department of Molecular Biosciences, Northwestern University, January 2017

Invited job talk, Department of Genetics, Washington University in St. Louis School of Medicine, January 2017

Invited job talk, NIH Stadtman Tenure-Track Investigator Program, National Cancer Institute, December 2016

Invited talk, "Spatial organization of chromatin domains and compartments in single chromosomes", the Fifth Annual Rising Stars Symposium, Biochemistry Department, University of Utah, September 2016

Invited talk, "Multiplexed DNA tracing and RNA profiling in single cells with sequential FISH", Institute of Microbiology, Chinese Academy of Sciences, July 2016

INTRAMURAL SEMINARS

Invited talk, "Multiplexed FISH Q&A", Yale Center for Genome Analysis, March 2021

Invited talk, "3D genome – Image-based spatial omics", Yale Pancreatic Cancer Collaborative Seminar Series, Dec 2020

Talk, "3D Genome and image-based spatial omics", Yale Genetics Department Retreat, September 2020

Invited talk, "Multiplexed imaging of nucleome architectures in single cells of mammalian tissue", Yale Cancer Center Radiobiology and Radiotherapy Research Program, May 2020

Invited talk, "Imaging genomic architectures and RNA profiles in single cells of mammalian tissue", Yale RNA Center Retreat, October 2019.

Talk, "Multiplexed imaging of genomic architectures in single cells of mammalian tissue"**,** Yale Cell Biology Department Retreat, October 2019

Invited talk, "Imaging genomic architectures and RNA profiles in single cells of mammalian tissue", Yale Cancer Metabolism Interest Group, October 2019.

Talk, "Multiscale integrative observation of nucleome architectures in mammalian tissue"**,** Yale Genetics Department Retreat, September 2019

Invited talk, "Three dimensional (3D) genomics", Yale Day of Instrumentation, November 2018

Talk, "Architectures, functions, and mechanisms of the 3D genome"**,** Yale Genetics Department Retreat, September 2018

Invited talk, "DNA tracing and RNA profiling in single cells with multiplexed sequential FISH", Yale Joint Cardiovascular Meeting, Yale University, May 2018

Invited talk, "DNA tracing and RNA profiling in single cells with multiplexed sequential FISH", Yale Liver Center program project grant talk, Yale University, March 2018

Invited talk, "DNA tracing and RNA profiling in single cells with multiplexed sequential FISH", Yale Liver Center, Yale University, January 2018

Invited talk, "DNA tracing and RNA profiling in single cells with multiplexed sequential FISH", Yale Stem Cell Center, Yale University, November 2017

Talk, "DNA tracing and RNA profiling in single cells with multiplexed sequential FISH"**,** Yale Genetics Department Retreat, September 2017

Invited talk, "Spatial organization of chromatin domains and compartments in single chromosomes", Single-Cell Genomics Workshop, Harvard Stem Cell Institute, November 2016

Invited talk, "Spatial organization of chromatin domains and compartments in single chromosomes", Cellular Dynamics Research Talk, Harvard University, October 2016

Invited talk, "Multiplexed error-robust FISH (MERFISH) in single-cell transcriptomic and genomic determination", Single Cell Genomics Symposium, Harvard Medical School, October 2015

Invited talk, "Characterization and development of photoactivatable fluorescent proteins for single-molecule-based superresolution imaging", Squishy Physics Talk, Harvard University, June 2015

TEACHING AND ADVISING

At Yale:

Teaching and supervising Graduate Student Seminar (GENE 675 and GENE 676), 2020-present

PhD thesis advisor of Tyler Jensen, Summer 2020-Present

PhD thesis advisor of Shengyan Jin, Spring 2020-Present

PhD thesis advisor of Yubao Cheng, Spring 2020-Present

PhD thesis advisor of Mengwei Hu, Spring 2019-Present

PhD thesis advisor of Jonathan Radda, Spring 2019-Present

PhD thesis advisor of Bing Yang, Spring 2018-Present

PhD thesis advisor of Yanbo Chen, Spring 2018-Present

PhD thesis advisor of Miao Liu, Spring 2018-Present

Lectures in Graduate Student Seminar (GENE 675 and GENE 676), 2018-2019

Lectures in Research Skills and Ethics I class (GENE 900a), 2018-2019

Guest lecture in Machine Learning for Biology (GENE 555), Fall 2017

Faculty job talk coaching for postdocs: Tao Wu (Feb 2018), Sheng Chih (Peter) Jin (Aug 2018), Jean-Denis Beaudoin (Jan 2019), Sangbum Park (May 2019), Tianchi Xin (Feb 2020), Dionna Kasper (Feb 2020), Jian Xie (March 2021).

Before Yale:

Graduate Rotation Advisor of Seon Kinrot, Harvard University, Summer 2016

Junior Graduate Student Advisor of Jun-Han Su, Harvard University, Summer 2015-Spring 2016

Graduate Rotation Advisor of Jun-Han Su, Harvard University, Winter 2014

Junior Research and Senior Thesis Advisor of David Su, Harvard University, Spring 2013-Summer 2014

Summer MD Student Advisor of Kevin Chen, Harvard University, Summer 2012

Graduate Rotation Advisor of Jiao Ma, Harvard University, Winter 2011

Undergraduate Research Advisor of Alva Strand, Princeton University, 2010-2011

Undergraduate Research Advisor of Tina Huang, Princeton University, Summer 2009

Teaching Assistant: Quantitative Principles in Cell and Molecular Biology, Princeton University, 2009

Teaching Assistant: Introduction to Cellular and Molecular Biology, Princeton University, 2009

SERVICE

External:

Co-Chair: Imaging Omics Working Group of National Institutes of Health 4D Nucleome Consortia — 2020-Present

Principal Organizer: Invited Session on Mechanics, Dynamics, and Organization in Cell Growth and Division, 2013 American Physical Society March Meeting	2012
Principal Organizer: Cell Shape Journal Club, Department of Molecular Biology, Princeton University	2009, 2010

At Yale:

- Technology advisor for Yale Center for Genome Analysis Multiomic Imaging Facility, 2021-Present
- PhD general exam committee for Chris Lee, Spring 2021
- PhD general exam committee for Jong Seo (Paul) Lee, Spring 2021
- Graduate admission interviewer for MCGD track of BBS program, Spring 2021
- MCGD track rotation talk moderator, Dec 2020
- Department mentoring committee, 2020-Present
- Faculty search committee for the Microbial Sciences Institute of Yale, Fall 2020-Spring 2021
- PhD thesis committee for Wenxin Yuan, 2020-Present
- PhD general exam committee for Wenxin Yuan, Fall 2020
- Yale School of Medicine strategic planning committee on nuclear cell biology, epigenetics, and single cell technology, Summer 2020
- PhD general exam committee for Haoming Yu, Summer 2020
- PhD thesis committee for Cecelia Harold, 2020-Present
- PhD thesis committee for Yiqun Jiang, 2020-Present
- PhD general exam committee for Yiqun Jiang, Summer 2020
- PhD thesis committee for Jiaying Chen, 2020-Present
- MCGD track rotation talk moderator, March 2020
- Graduate admission interviewer for MCGD track of BBS program, Spring 2020
- Graduate admission interviewer for BQBS track of BBS program, Spring 2020
- Department grant review working group, 2019-2020
- Graduate admission interviewer for MD/PHD program, Fall 2019
- PhD thesis committee for Meng Tian, 2019-Present
- PhD general exam committee for Meng Tian, Fall 2019

- PhD general exam committee for Katherine Koczwara, Fall 2019
- PhD general exam committee for Jiaying Chen, Fall 2019
- Genetics department retreat poster award judge, Fall 2019
- Yale Center for Genome Analysis scientific advisory committee, 2019-Present
- PhD thesis committee for Dennis May, 2019-Present
- Graduate admission interviewer for MCGD track of BBS program, Spring 2019
- MCGD track rotation talk moderator, Jan 2019
- Department seminar committee, 2018-Present
- Faculty open search committee, Fall 2018
- PhD general exam committee for Oscar Chavez Ibanez, Fall 2018
- PhD general exam committee for Maria Benitez, Fall 2018
- PhD general exam committee for Dennis May, Fall 2018
- Genetics department retreat poster award judge, Fall 2018
- PhD thesis committee for Raman Nelakanti, 2018-Present
- PhD general exam committee for Raman Nelakanti, Summer 2018
- PhD thesis committee for Henry (Shun Hang) Chan, 2018-Present
- Graduate admission interviewer for MCGD track of BBS program, Spring 2018
- Graduate admission interviewer for BQBS track of BBS program, Spring 2018
- Graduate admission committee for MCGD track of BBS program, Fall 2017
- Faculty open search committee, Fall 2017
- PhD thesis committee for Andrew Barentine, 2017-2021
- PhD general exam committee for Andrew Barentine, Fall 2017
- PhD general exam committee for Paul Renauer, Fall 2017

INDEPENDENT JOURNAL REVIEWER FOR

Science
Nature Methods
Nature Chemical Biology
Nature Communications
Journal of Bacteriology
Science Advances
Genome Biology
Physical Review Letters
Journal of Cell Biology
Physical Biology

Scientific Reports
Molecular Microbiology
Frontiers in Physiology
Optics Letters
Biochemistry
Journal of Physics D
Journal of Optics
AIP Advances
Molecular & Cellular Biomechanics
Microscopy Research and Technique