

Isaac Siu-Shing Wong

Sir William Dunn School of Pathology, OX13RE
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Selected Research Experience

- 10/2023-
Present **Max Planck-Croucher Fellow** (Supervisor, Prof Anthony Hyman & Prof Jordan Raff)
The Max Planck Institute of Molecular Cell Biology and Genetic
- Project: In vitro and in vivo characterization of material properties PCM scaffolding proteins in *C. elegans* and *Drosophila*
 - Profile: <https://scholars.croucher.org.hk/scholars/wong-siu-shing>
 - Co-Supervised by Prof Anthony Hyman and Prof Jordan Raff
- 10/2023-
Present **Junior Research Fellow in Medical Sciences**
Wadham College, University of Oxford
- Project: Understanding the geometric requirements of centrosome biogenesis
 - Profile: <https://www.wadham.ox.ac.uk/people/isaac-wong>
- 10/2021-
Present **Postdoctoral Scientist** (Supervisor, Prof Jordan Raff)
Sir William Dunn School of Pathology, University of Oxford
- Project: The cell cycle dependent regulation of client protein recruitment to pericentriolar material (PCM) during centrosome maturation in *Drosophila* embryos
- 03/2018-
09/2021 **Doctoral Student** (Supervisor, Prof Jordan Raff)
Sir William Dunn School of Pathology, University of Oxford
- Project: The systems biology of centrosome assembly pathway in *Drosophila* embryos
- 10/2016-
03/2018 **Doctoral Student** (Supervisor, Prof Xin Lu)
Ludwig Cancer Research, University of Oxford
- Project: Small noncoding RNA methylation from Epstein-Barr Virus (EBV) patient-derived samples

*Worked in 9 labs in Hong Kong, Taiwan, the UK and Germany since 2012

Publications

Alan Wainman*, Antonina Andreeva, Liuyi Hu, Ines Alvarez-Rodrigo, **Siu-Shing Wong**, Saroj Saurya, Devon Sheppard, Matthew Cottee, Steven Johnson, Susan M. Lea, Jordan W. Raff[#], Mark van Breugel[#], and Zhe Feng[#], The conserved Spd-2/CEP192 domain adopts a unique protein fold to promote centrosome scaffold assembly, **in revision *Sci. Adv.*, (2025)**.

Siu-Shing Wong^{*#}, Joao M. Monteiro*, Chia-Chun Chang*, Min Peng, Nada Mohamad, Thomas L. Steinacker, Saroj Saurya, Alan Wainman and Jordan W. Raff[#], Centrioles generate two scaffolds with distinct biophysical properties to build mitotic centrosomes, ***Sci. Adv.*, (2025)**.

Siu-Shing Wong, Alan Wainman, Saroj Saurya, Jordan W. Raff[#], Regulation of centrosome size by the cell-cycle oscillator in *Drosophila* embryos, ***The EMBO J.*, (2024)**.

Thomas L. Steinacker*, **Siu-Shing Wong***, Zsofia A. Novak, Saroj Saurya, Lisa Gartenmann, Eline J.H. van Houtum, Judith R. Sayers, B. Christoffer Lagerholm, Jordan W. Raff[#], Centriole growth is limited by the Cdk/Cyclin-dependent phosphorylation of Ana2/STIL, ***J Cell Biol.*, (2022)**.

Siu-Shing Wong*, Zachary M Wilmott*, Saroj Saurya, Ines Alvarez-Rodrigo, Felix Y Zhou, Kwai-Yin Chau, Alain Goriely, Jordan W Raff[#], Centrioles generate a local pulse of Polo/PLK1 activity to initiate mitotic centrosome assembly, ***The EMBO J.*, (2022)**.

Mustafa G. Aydogan*, Laura E. Hankins*, Thomas L. Steinacker, Mohammad Mofatteh, Saroj Saurya, Alan Wainman, **Siu-Shing Wong**, Xin Lu, Felix Y. Zhou, Jordan W. Raff[#], Centriole distal-end proteins CP110 and Cep97 influence centriole cartwheel growth at the proximal end. ***J Cell Sci.*, (2022)**.

Mustafa G. Aydogan*, Thomas L. Steinacker*, Mohammad Mofatteh, Zachary M. Wilmott, Felix Y. Zhou, Lisa Gartenmann, Alan Wainman, Saroj Saurya, Zsofia A. Novak, **Siu-Shing Wong**, Alain Goriely, Michael A. Boemo, Jordan W. Raff[#], An Autonomous Oscillation Times and Executes Centriole Biogenesis, ***Cell*, (2020)**.

Siu-Shing Wong, The story of very first life, OUBS Phenotype, P.15-16, Issue 26, 2017

* *Equal author contributions*

Corresponding author

Selected Awards

2024	International Exchanges 2023 Cost Share (JSPS) Award The Royal Society and Japan Society for the Promotion of Science
2023	Junior Research Fellowship in Medical Sciences Wadham College, University of Oxford
2023	Max Planck-Croucher Fellowship Croucher Foundation & Max Planck Society
2023	William Westerman Pathfinders Award Balliol College, University of Oxford <ul style="list-style-type: none">• Grant supporting excursion across Canada• Profile: https://www.alumniweb.ox.ac.uk/balliol/pathfinder-programmes/Isaac-Wong
2021	Edward Penley Abraham Postdoctoral Extension Award Sir William Dunn School of Pathology, University of Oxford
2016	Cancer Research UK DPhil Prize Studentship Cancer Research UK
2016	Clarendon Scholarship Clarendon Fund, University of Oxford
2016	Jason Hu Scholarship Balliol College, University of Oxford

**Received more than >35 academic awards since 2012*

Education

2018-2021	DPhil in Molecular Cell Biology in Health and Disease , University of Oxford <ul style="list-style-type: none">• Fully funded
2016-2018	DPhil in Clinical Medicine , University of Oxford <ul style="list-style-type: none">• Fully funded
2012-2016	BSc of Science in Biochemistry , Chinese University of Hong Kong <ul style="list-style-type: none">• Fully funded