Thi Hoang Duong Nguyen

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EDUCATION

Oct 2010 – Jul 2014	**University of Cambridge**, Trinity College MRC – Laboratory of Molecular Biology, Cambridge, UK Doctor of Philosophy (Supervisor: Dr Kiyoshi Nagai)
Feb 2006 - Dec 2009	**Australian National University (ANU)**, Australia Bachelor of Philosophy (Hons), Chemistry First Class Honours with a University Medal (Supervisor for Honours project: Prof. Gottfried Otting)

PROFESSIONAL EXPERIENCE

Aug 2019-present	Group Leader, MRC-Laboratory of Molecular Biology
Jul 2016-Jun 2016	Miller Research Fellow, University of California, Berkeley
Apr 2016-Jun 2016	HHMI Postdoctoral Research Associate Principal Advisors: Prof. Eva Nogales and Prof. Kathleen Collins Molecular and Cell Biology Department, University of California, Berkeley
Jun 2014 – Mar 2016	MRC-Career Development Postdoctoral Fellow Principal Advisor: Dr Kiyoshi Nagai Co-advisor: Dr Sjors Scheres MRC – Laboratory of Molecular Biology, Cambridge, UK
Oct 2015-Mar 2016	Research Associate in Chemistry, Clare College, Cambridge, UK

ACADEMIC ACHIEVEMENTS/AWARDS:

Mar 2020	Suffrage Science Award
Jul 2017	Biochemical Society 2017 Early Career Award in Genes
Jan 2017	Poster Prize at UC Berkeley Biochemistry, Biophysics and Structural Biology Department Retreat
Jul 2016	RNA Society Scaringe Young Scientist Award for important contributions to the broad RNA field
Oct 2010-Jun 2014	Herchel Smith Research Studentship (Cambridge) awarded to the top 2-4 selected candidates in the Graduate School of Life Sciences
Oct 2010-Sep 2013	Honorary Krishnan-Ang Research Studentship, Trinity College, Cambridge
Aug 2010	Poster Prize at International Conference on Magnetic Resonance in Biological Systems (Cairns, Australia)
May 2010	India Australia Association of Canberra prize for the most outstanding Science Honours student at ANU
Dec 2009	University Medal in Chemistry (ANU)
Dec 2009	Adrien Albert Prize for the top chemistry honours student (ANU)
Feb 2009	Chemistry Honours Scholarship (Research School of Chemistry, ANU)

Feb 2007-Nov 2009	Terrell International Scholarship (ANU)
Feb 2007	I. G. Ross Prize for First Place in Chemistry (ANU)
May 2006	New Zealand Premier Scholar Award for the top high school students with Outstanding Scholarship Passes in Physics, Chemistry, Calculus and Statistics across New Zealand in 2005
Dec 2005	Renaissance Prize for Dux at Wellington Girls' College
Apr 2003	Gold medal in Southern Vietnamese Mathematics Olympiad

PUBLICATIONS

***** Equal contributions; † co-corresponding authors

1. **Nguyen THD**†, Collins K, Nogales E. Telomerase structures and regulation: shedding light on the chromosomal end. *Curr. Opin. Struct. Biol.* (2019) 55, 185-193.
2. **Nguyen THD**, Tam J, Wu RA, Greber BG, Toso D, Nogales E, Collins K. Cryo-EM structure of substrate-bound human telomerase holoenzyme, *Nature* (2018) 557, 190-195.
3. Greber BJ, **Nguyen THD**, Fang J, Afonine PV, Adams PD, Nogales E. The cryo-electron microscopy structure of human transcription factor IIH. *Nature* (2017) 549, 414-417.
4. Han Y, Yan C*, **Nguyen THD***, Jackobel AJ, Ivanov I, Knutson BA, He Y. Structure mechanism of ATP-independent transcription initiation by RNA polymerase I. *Elife* (2017).
5. **Nguyen THD***†, Galej WP*†, Bai X.-C., Oubridge C, Newman AJ, Scheres SHW, Nagai K†. CryoEM structure of the yeast U4/U6.U5 tri-snRNP at 3.7 Å resolution. *Nature* (2016) 530, 298-302.
6. **Nguyen THD**, Galej WP, Fica SM, Lin PC, Newman AJ, Nagai K. CryoEM structures of two spliceosomal complexes: starter and dessert at the spliceosome feast. *Curr. Opin. Struct. Biol.* (2016) 36, 48-57.
7. **Nguyen THD**†, Galej WP, Bai X.-C, Savva CG, Newman AJ, Scheres SHW, Nagai K†. The architecture of the spliceosomal U4/U6.U5 tri-snRNP. *Nature* (2015) 523, 47-52.
8. Galej WP, **Nguyen THD**, Newman AJ, Nagai K. Structural studies of the spliceosome: Zooming into the heart of the machinery. *Curr. Opin. Struct. Biol.* (2014) 25C, 57-66.
9. **Nguyen THD**, Li J, Galej WP, Oshikane H, Newman AJ, Nagai K. Structural basis of Brr2-Prp8 interactions and implications for U5 snRNP biogenesis and the spliceosome active site. *Structure* (2013) 21, 910-919.
10. De la Cruz L, **Nguyen THD**, Ozawa K, Shin J, Graham B, Huber T, Otting G. Binding of low-molecular weight inhibitors promotes large conformational changes in the dengue virus NS2B-NS3 protease: fold analysis by pseudocontact shifts. *J. Am. Chem. Soc.* (2011) 133, 19205-19215.
11. **Nguyen THD**, Ozawa K, Stanton-Cook M, Barrow R, Huber T, Otting G. Pseudocontact shifts in protein NMR spectra generated using a genetically encoded Co^{2+}-binding amino acid. *Angew. Chem. Int. Ed.* (2011) 50, 692-694.
12. Hill AF, Colebatch AL, Cordiner RL, Dewhurst RD, McQueen CA, **Nguyen KTHD**, Shang R, Willis AC. The odd bit of carbon. *Comments Inorg. Chem.* (2010), 31, 21-129.
13. **Nguyen THD**. Extended investigations in the physics of oligonucleotide microarrays. *The ANU Undergraduate Research Journal* (2009), 1, 29-38.
14. Colebatch AL, Cordiner RL, Hill AF, **Nguyen KTHD**, Shang R, Willis AC. A bis(ethane-diylidyne) complex via the catalytic demercuration of a mercury bis(carbido) complex. *Organometallics* (2009), 28, 4394-4399.
15. Hadler KS, Tanifum EA, Yip SH-C, Mitić N, Guddat LW, Jackson CJ, Gahan LR, **Nguyen K**, Carr PD, Ollis DL, Hengge AC, Larrabee JA, Schenk G. Substrate-promoted formation of a catalytically competent binuclear center and regulation of reactivity in a glycerophosphodiesterase from *Enterobacter aerogenes*. *J. Am. Chem. Soc.* (2008), 130, 14129-14138.

INVITED/CONFERENCE TALKS

Feb 2020	Lorne Protein Structure and Function, Lorne, Australia (invited talk)
Dec 2019	University of East Anglia, Norwich, UK (invited talk)
Nov 2019	Astbury Center, University of Leeds, UK (invited talk)
Nov 2019	ETH-Zurich Institute of Biochemistry (invited talk)
Oct 2019	CryoNet Symposium, Stockholm, Sweden (invited talk)
Jun 2019	Gordon Research Conference in Nucleic Acids, Maine, USA (invited talk)
Mar 2019	Biophysical Society Meeting, Baltimore, USA (invited talk)
May 2018	RNA Society 2018 Meeting, Berkeley, USA (oral presentation)
May 2018	Bay Area Cryo-EM Meeting, Stanford, USA (oral presentation)
May 2018	Max Planck Institute of Biophysical Chemistry, Goettingen, Germany (invited talk)
May 2018	EMBO Workshop in Telomere Biology, Lisbon, Portugal (oral presentation)
Apr 2018	MRC-Laboratory of Molecular Biology (invited talk)
Jan 2018	UC Berkeley Molecular and Cell Biology Departmental Retreat (oral presentation)
Jul 2017	EMBO Conference: Helicases and Nucleic Acid-Based Machines, Bamberg, Germany (invited talk)
Jun 2016	Gordon Research Conference 3D Electron Microscopy, Hong Kong (invited talk)
Jul 2015	Max-Planck Institute of Biochemistry, Martinsried, Germany (invited talk)
Jun 2015	University of California, San Francisco, U.S.A (invited talk)
May 2015	RNA Society 2015 meeting, Wisconsin, US, (oral presentation)
Sep 2013	SMS RNA splicing meeting, London, UK (oral presentation)
Jun 2012	Harvard-Cambridge Herchel Smith Symposium, Boston, US (oral presentation)