

Ji Hun Kim

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(last update: 28th July 2015)

Employment

May 2014 ~ Present

Postdoctoral Associate
The Jackson Laboratory for Genomic Medicine
Farmington, CT, USA

Supervised by **Prof. Charles Lee (Director)**, **Dr. Chengsheng Zhang**

May 2013 ~ Oct 2013

Research Assistance (part time)
Murdoch Childrens Research Institute
Royal Childrens Hospital, Australia

Worked with **Dr. Damien F. Hudson**

Education and Training

May 2009~ Mar 2014

Doctor of Philosophy
The University of Melbourne, Australia
Murdoch Childrens Research Institute
Royal Children's Hospital

Project: Analysis of condensin binding sites and function in vertebrates
Supervised by **Dr. Damien F. Hudson**, **Dr. Paul Kalitsis**, **Prof. K.H. Andy Choo (Theme Director)**

June 2010~ Nov 2010

The University of Edinburgh, UK
Wellcome Trust Centre for Cell Biology

Visiting for the collaboration work as a part of my PhD for 6 months
Supervised by **Prof. William C. Earnshaw**

Feb 2008 ~ Dec 2008

Bachelor of Science with Honours
The University of Melbourne, Australia
Ludwig Institute for Cancer Research
Royal Melbourne Hospital

Project: Generation and analysis of axin-RFP stable cell lines
Supervised by **Prof. Anthony W. Burgess (Institute Director)**, **Dr. Maree Faux**

Feb 2005 ~ Dec 2007

Bachelor of Biomedical Science
The University of Melbourne, Australia

May 2007

Walter and Eliza Hall Institute of Medical Research
Applied Bioinformatics Project: Bioinformatics of conotoxins
Supervised by **Prof. Raymond S. Norton**, **Dr. Zhiping Feng**

Publications

- Sung. CO*, **Kim. JH***, Malhotra. A., Lee. C., Large-scale identification of cancer-associated antibody sequences in multiple cancer tissues with abundant plasma cell infiltration using conventional RNAseq data (2015) *Manuscript in preparation* (* equal contribution)
- Barysz. H., **Kim. JH.**, Chen. ZA., Hudson. DF., Rappsilber. J., Gerloff. DL., Earnshaw. WC., 3D topology of a core SMC2/SMC4 sub-complex of chicken condensin I revealed by cross-linking and molecular modeling (2015) *Open Biology*. **5**: 150005. <http://dx.doi.org/10.1098/rsob.150005>
- **Kim JH**, Zhang T, Wong NC, Davidson N, Maksimovic J, Oshlack A, Earnshaw WC, Kalitsis P, Hudson DF. (2013) Condensin I associates with structural and gene regulatory regions in vertebrate chromosomes. *Nature Communications*, **4**, 2537, doi:10.1038/ncomms3537
- **Kim JH**, Kalitsis P, Pertile MD, Magliano D, Wong L, Choo KHA, Hudson DF. (2012) Nucleic Acid: Hybridization. *Encyclopedia of Life Science*, Wiley, doi: 10.1002/9780470015902.a0003148.pub2 (**book chapter**)
- Green LC, Kalitsis P, Chang TM, Cipetic M, **Kim JH**, Marshall O, Turnbull L, Whichurch CB, Vagnarelli P, Samejima K, Earnshaw WC, Choo KHA, Hudson DF. (2012) Contrasting roles of condensin I and condensin II in mitotic chromosome formation. *Journal of Cell Science* **125**, 1591-1604, doi:10.1242/jcs.097790
- **Kim JH**, Chang TM, Graham A, Choo KHA, Kalitsis P, Hudson DF. (2010) Streptavidin-Binding Peptide (SBP)-tagged SMC2 allows single-step affinity fluorescence, blotting or purification of the condensing complex. *BMC Biochemistry*, **15**:50, doi:10.1186/1471-2091-11-50

Speaking opportunities

- Special seminar, Cancer Research Institute, Seoul National University, 4th April 2014
- 2nd UK-Korea Mitosis meeting, Seoul National University, South Korea, 24th Feb 2014
- Special seminar, Medical School, Yonsei University, South Korea, 14th Jan 2014
- Webinar series of Notable Korean Scientists, Biological Research Information Centre (BRIC), South Korea, 29th Nov 2013
- CENs seminar, Wellcome Trust Centre for Cell Biology, The University of Edinburgh, Edinburgh, UK, 22nd Oct 2013
- Genetic Disorder seminar series, Murdoch Childrens Research Institute, The University of Melbourne, Melbourne, Australia, 1st Mar 2013
- Special seminar, Brigham and Women's Hospital, Harvard Medical School, Boston, USA, 7th Dec 2012

- Molecular Medicine seminar series, Murdoch Childrens Research Institute, The University of Melbourne, Melbourne, Australia, 9th Oct 2012,
- PSA symposium, Murdoch Childrens Research Institute, The University of Melbourne, Melbourne, Australia, 4th Dec 2009

Conference presentation during PhD

- **Kim JH**, Zhang T, Wong N, Choo KHA, Earnshaw WC, Davidson N, Maksimovic J, Oshlack A, Kalitsis P, Hudson DF. Mitotic map of condensin I in vertebrate cells. Poster presentation at American Society for Cell Biology annual meeting, Dec 2012, San Francisco, USA.
- **Kim JH**, Chang TM, Choo KHA, Kalitsis P, Hudson DF. Creating a Genome-Wide Map of Condensin in Vertebrate Cells. Poster presented at WEHI Next-Generation Sequencing Workshop, April 2010, Melbourne, Australia.
- **Kim JH**, Chang TM, Choo KHA, Kalitsis P, Hudson DF. Creating a genome-wide map of condensin in vertebrate cells. Poster presented at Epigenetics conference, Dec 2009, Melbourne, Australia.

Awards

- 2013 Notable Korean Scientist, Biological Research Information Centre, South Korea
- 2012 MATS scholarship, The University of Melbourne, Australia
- 2012 MCRI conference scholarship, Murdoch Childrens Research Institute, Australia
- 2010 ORES scholarship, The University of Melbourne, Australia
- 2010 Global Mobility U21 Scholarship, The University of Melbourne, Australia
- 2010 Scholarship, Wellcome Trust, UK
- 2009 Medallion from PSA symposium, Murdoch Childrens Research Institute, Australia

Mentoring Opportunity

- June-July 2015. Ms. Rachel Furhang, JAX summer student program, The Jackson Laboratory for Genomic Medicine
- 2011-2013. Mr. Muhammed Bakhreba, Ph.D. student., Murdoch Childrens Research Institute

Skills

Wet lab skills of biochemistry, molecular biology, and cell biology

Dry lab skills for the high-throughput sequence analysis

Computer languages (incl. C++, Visual Basic, Perl, R, Java, etc)

Languages: Fluent English and Korean