



NAME Christopher Wang

COMPLETED ACADEMIC DEGREES

Degree Name	Subject Area	Where Completed	Date of Completion
Ph.D.	cell biology	University of Calgary	2006
M.Sc.	cell biology	University of Calgary	2000
B. Sc.	Biological Sciences	University of Lethbridge	1997

ACADEMIC APPOINTMENT

Appointment Level	Institution	Dates (Yr to Yr)	Subject Area
Associate Professor	Ambrose University	2022 - present	Biology
Assistant Professor	Ambrose University	2017 - 2022	Biology
Adjunct Assistant Professor	University of Calgary	2017 - present	Area: Integrative Cell Biology Department: Biological Sciences
Adjunct Professor	St. Mary's University	2015 - 2018	Biology
Sessional Instructor	University of Calgary	2015 - 2017	Biology (Human Genetics)
Sessional Instructor	Mount Royal University	2015 - 2017	Cellular and Molecular Biology
Research Associate	University of Calgary	2011 - 2017	Molecular Developmental Biology
Postdoctoral Fellow	University of Calgary	2007 - 2011	Molecular Developmental Biology
Postdoctoral Fellow	University of Minnesota	2006 - 2007	Molecular Cellular Biology

ADMINISTRATIVE APPOINTMENTS

Appointment Level	Institution	Dates (Yr to Yr)
Co-chair of Biology Program	Ambrose University	2020 - present
Academic Council	St. Mary's University	2016 - 2017
Executive Member of the Postdoctoral Association	University of Calgary	2008 - 2010

TEACHING EXPERIENCE

Institution	Dates (Yr to Yr)	Courses Taught (Course # and Name)
Ambrose University	2017 - present	BCH 297: Introduction to Biochemistry BCH 367: Laboratory Techniques in Biochemistry and Molecular Biology BIO 105: The Organization and Diversity of Life

		BIO 131: Introduction to the Cellular Basis of Life BIO 231: Molecular and Cellular Biology BIO 241: General Microbiology BIO 329: Molecular Genetics and Omics BIO 338: Developmental Biology BIO 435: Current Topics in Integrative Cell Biology BIO 455: Cancer Biology BIO 493/495/497: Independent Research Study in Biology MED 327: Medical Genetics
University of Calgary	2008 – present	CMMB 403: Developmental Biology of Animals CMMB 411: Molecular Genetics CMMB 413: Human Genetics
St. Mary's University	2015 - 2017	BIO 205: The Organization and Diversity of Life BIO 231: Introduction to Molecular and Cellular Biology BIOL 233: Introduction to Biology II BIOL 305: The Human Organism BIOL 311: Principles of Genetics BIOL 491: Senior Project I
Mount Royal University	2015 - 2016	BIOL 1202: Introduction to Cell Biology BIOL 3101: Molecular Genetics

SCHOLARLY PARTICIPATION

Refereed Publications

Dates	Activity (Name of article and journal)
2021	Ramya Singh, Ryan B Smit, Xin Wang, Chris Wang , Hilary Racher, and Dave Hansen. 2021. Reduction of Derlin activity suppresses Notch-dependent tumours in the <i>C. elegans</i> germ line. <i>PLOS Genetics</i> 17(9):e1009687.
2019	Sau-Ching Wu, Chris Wang , Jonathan Chin, and Sui-Lam Wong. 2019. A bio-coupling approach using a dextran-binding domain to immobilize an engineered streptavidin to Sephadex for easy preparation of affinity matrix. <i>Scientific Reports</i> 9: 3359.
2018	Ariz Mohammad, Kara Vanden Broek, Christopher Wang , Anahita Daryabeigi, Verena Jantsch, Dave Hansen, and Tim Schedl. 2018. Initiation of meiotic development is controlled by three posttranscriptional pathways in <i>Caenorhabditis elegans</i> . <i>Genetics</i> 209: 1197-1224.
2017	Sau-Ching Wu, Chris Wang , Dave Hansen, and Sui-Lam Wong. 2017. A simple approach for preparation of affinity matrices: simultaneous purification and reversible immobilization of streptavidin mutein to agarose matrix. <i>Scientific Reports</i> 7:42849.
2017	Chris Wang , Partyush Gupta, Gabriel D. Bossé, Xin Wang, Martin J. Simard and Dave Hansen. 2017. TEG-1 CD2BP2 controls miRNA levels by regulating miRISC stability in <i>C. elegans</i> and human cells. <i>Nucleic Acids Research</i> 45: 1488-1500.
2015	Pratyush Gupta, Lindsay Leahul, Xin Wang, Chris Wang , Brendan Bakos, Katie Jasper, Dave Hansen. 2015. Proteasome regulation of the chromodomain

	protein MRG-1 controls the balance between proliferative fate and differentiation in the <i>C. elegans</i> germ line. <i>Development</i> 142: 291-302.
2012	Chris Wang , Laura Wilson-Berry, Tim Schedl, and Dave Hansen. 2012. TEG-1 CDBP2 is involved in regulating stem cell proliferation and sex determination in the <i>C. elegans</i> germ line and physically interacts with the UAF-1 U2AF65 splicing factor. <i>Developmental Dynamics</i> 241:505-521.
2012	Pei Xiong Liew, Christopher L. C. Wang , and Sui-Lam Wong. 2012. Functional characterization of a <i>Bacillus subtilis</i> sortase and its substrate and use of the substrate to covalently anchor a heterologous protein to the <i>B. subtilis</i> cell wall for surface display. <i>Journal of Bacteriology</i> 194:161-175.
2008	Chyi-Liang Chen, Sau-Ching Wu, Wai Mui Tjia, Christopher L.C. Wang , Manfred J. Lohka and Sui-Lam Wong. 2008. Development of a LytE-based high-density surface display system in <i>Bacillus subtilis</i> . <i>Microbial Biotechnology</i> 1:177-190.
2007	Ryoko Kuriyama, Jon Pines, Kyung Lee, and Christopher L.C. Wang . 2007. Centrosome replication in hydroxyurea-arrested CHO cells expressing GFP-tagged centrin2. <i>Journal of Cell Science</i> 120:2444-2453.
2004	Ma, L.L., Wang, C. , Neely, G.G., Epelman, S., Krensky, A.M., and Mody, C.H. 2004. NK cells use perforin rather than granulysin for anticryptococcal activity. <i>Journal of Immunology</i> 173: 3357-3365.

Conference Presentations

Dates	Activity (Name of article and journal)
2021	Dan Zhang, Chris Wang , Dave Hansen. The Role of the RNA-Induced Silencing Complex (RISC) Component VIG-1 in <i>C. elegans</i> Germline Stem Cell Regulation. 23rd International <i>C. elegans</i> Conference. Virtually via Zoom. June 21 – 24, 2021. Abstract # 363C.
2021	Sadaf Sangari ¹ , Kara Vanden Broek, Chris Wang , Dave Hansen. Understanding the role of scaffold protein activated C kinase 1 (RACK-1) in germ line stem cells of <i>Caenorhabditis elegans</i> . 23rd International <i>C. elegans</i> Conference. Virtually via Zoom. June 21 – 24, 2021. Abstract # 357C.
2021	Kara Vanden Broek, Chirs Wang , Dave Hansen. RACK-1 is required for proper GLD-1 sub-cellular localization and function. 23rd International <i>C. elegans</i> Conference. Virtually via Zoom. June 21 – 24, 2021. Abstract # 259A
2021	S. Sangari, K. Vanden Broek, C. Wang , D. Hansen. Understanding the Role of Receptor for Activated C Kinase 1 (RACK-1) in <i>Caenorhabditis elegans</i> ' Germ Line Stem Cells. Biological Sciences Graduate Symposium. March 25-26, 2021.
2019	K. Vanden Broek, C. Wang , and D. Hansen. Investigating RACK-1's role in regulating stem cell proliferation in the <i>C. elegans</i> germline. International <i>C. elegans</i> Conference. University of California, Los Angeles. Los Angeles, CA. June 20 – 24, 2019.
2018	K. Vanden Broek, C. Wang , X. Wang, and D. Hansen. Investigating RACK-1's role in regulating stem cell proliferation in the <i>C. elegans</i> germ line. EMBO <i>C. elegans</i> development, cell biology and gene expression. Barcelona, Spain. June 13-17, 2018. Abstract # P-204.

2017	R. Singh, X. Wang, C. Wang , T. Sutton, K. Kowalchuck, H. Racher and D. Hansen. Derlin proteins promote Notch Signaling in the <i>C. elegans</i> germ line. 21 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 21-25, 2017. Abstract # 388C.
2017	K. Vanden Broek, P. Gupta, C. Wang , and D. Hansen. Regulation of germline stem cell proliferation by MRG-1 in <i>C. elegans</i> . 21 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 21-25, 2017. Abstract # 393B.
2015	P. Gupta, L. Leahul, C. Wang , X. Wang, D. Hansen. MRG-1 and RFP-1 regulate proliferation in the germline. 20 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 24-28, 2015. Abstract # 846B.
2015	Chris Wang , Pratyush Gupta, Gabriel Bossé, Xin Wang, Martin Simard, and Dave Hansen. TEG-1 CD2BP2 regulates miRNA levels via maintaining miRISC stability in <i>C. elegans</i> and human cells. 20 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 24-28, 2015. Abstract # 1108C.
2013	Chris Wang and Dave Hansen. TEG-1 regulates the stability of miRISC components and the levels of miRNAs. 19 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 26-30, 2013. Abstract # 1045C.
2012	Chris Wang and Dave Hansen. <i>C. elegans</i> TEG-1 regulates germline stem cell proliferation by interacting with the UAF-1 splicing factor and VIG-1 miRNA component. 6 th Canadian Developmental Biology Conference. Banff, AB. Mar 8-11, 2012. The poster had won a poster award.
2012	Chris Wang and Dave Hansen. A novel role of <i>C. elegans</i> TEG-1 in regulating levels of the microRNA RISC component, VIG-1. Germ Cells Meeting. Cold Spring Harbor Laboratory, NY. Oct 2-6, 2012.
2011	Chris Wang and Dave Hansen. Identifying TEG-1 interacting proteins that are involved in germline development. 18 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 22-26, 2011. Abstract # 867A.
2010	Chris Wang , Laura Wilson-Berry, Tim Schedl, and Dave Hansen. TEG-1, a <i>C. elegans</i> homolog of human CD2BP2, functions in germline proliferation. Genetics 2010: Model Organisms to Human Biology meeting. Boston, MA. June 12-15, 2010. Abstract #20127.
2009	Christopher L.C. Wang , Lina, Zhao, Laura Wilson-Berry, Tim Schedl, and Dave Hansen. Characterization of TEG-1 in <i>C. elegans</i> germ line. 17 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 24-28, 2009. Abstract # 770B.
2006	Ryoko Kuriyama, Jon Pines, Kyung Lee, and Christopher L.C. Wang . Centrosome eplication in Hydroxyurea-arrested CHO Cells Expressing GFP-tagged Centrin. The American Society for Cell Biology 46 th Annual Meeting. San Diego, CA. December 9-13, 2006. Abstract # 962.
2004	Christopher L.C. Wang , J.B. Rattner, Manfred J. Lohka. (2004). A human-Mob1-related protein and HsLats1p Play Different Roles During Mitosis. The

	American Society for Cell Biology 2004 Summer Meeting on Cytokinesis. University of Vermont, Burlington, VT. July 22-25, 2004. Abstract # 25.
2000	Christopher L.C. Wang , Young Ou, Xuchu Wu, Teresa Scheidl-Yee, Frank F.C. Luca, J.B. Rattner, and Manfred J. Lohka, (2000). Mob1p-related proteins are centrosomal components in vertebrates cells. The American Society for Cell Biology 40 th Annual Meeting. San Francisco, CA. December 9-13, 2000. Abstract # 1057.
1996	Christopher L.C. Wang . (1996). SEM studies of statoblast of bryozoan, <i>Cristatella mucedo</i> . Prairie University Biological Symposium 30th Annual Meeting. February 22-24, 1996. Abstract # 25.

ACADEMIC AND PROFESSIONAL PRESENTATIONS

Dates	Name of Presentation to Name of Organization
Nov. 8, 2017	Where can biology take you? Sir Winston Churchill High School

PROFESSIONAL MEMBERSHIPS, QUALIFICATIONS and EXPERIENCE

Professional Memberships
Genetics Society of America
Society for Developmental Biology
Undergraduate Biology Educators of Alberta

Professional Qualifications
Teaching Programs Offered by Teaching & Learning Centre at the University of Calgary
Instructional Skills Workshop completed in November 2009
Faculty Teaching Certificate completed in November 2010

Professional Experience	
2021	Invited judge for poster presentation in 23 rd <i>C. elegans</i> International Conference . June 21-24, 2021.
2021	Invited judge for trainee's presentation in 10 th Canadian Developmental Biology Conference. April 20-21, 2021.
2000 - present	Mentoring more than 30 undergraduate independent projects
2015	Invited poster judge in the 20 th International <i>C. elegans</i> meeting. University of California Los Angeles. Los Angeles, CA. June 24-28, 2015.
2015	Participated in the summer learning spaces and technologies research project at the Taylor Institute for Teaching and Learning, University of Calgary.
2013	Judging for the Department of Biological Sciences Undergraduate Symposium
2008 – 2009	Sanofi-Aventis BioTalent Challenge: Mentoring Raida Khwaja and Urvashi Pal from Western Canada High School on project entitled: "The effect of counteracting chemicals in Red Bull – taurine and niacin – on the pharyngeal pumping of developing <i>Caenorhabditis elegans</i> ". The project won a 3 rd place award in Calgary finals.