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Dr. William Brent Derry

Correspondence language: English
Sex: Male
Date of Birth: 7/28
Canadian Residency Status: Canadian Citizen
Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Developmental & Stem Cell Biology
The Hospital for Sick Children
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Corporate	http://www.sickkids.ca/AboutSickKids/Directory/People/D/Brent-Derry.html

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Dr. William Derry

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	No	No	No	No

User Profile

Disciplines Trained In: Biochemistry, Genetics

Research Disciplines: Genetics, Biochemistry, Cell Biology

Areas of Research: Molecular Genetics

Fields of Application: Biomedical Aspects of Human Health

Research Specialization Keywords: Biochemistry, Cancer, Functional Genomics, Genetics, Microscopy, Molecular Biology, Signal transduction

Degrees

1992/9 - 1997/6	Doctorate, PhD, Biochemistry & Molecular Biology, University of California, Santa Barbara Degree Status: Completed
	Supervisors: Dr. Leslie Wilson
1989/9 - 1991/6	Master's Equivalent, M.Sc. - Masters, Biochemistry, McMaster University Degree Status: Completed
	Supervisors: Dr. Radhey S. Gupta
1985/9 - 1989/6	Bachelor's, B.Sc. (Honours), Biochemistry, Carleton University Degree Status: Completed
	Supervisors: Biochemistry, Carleton University

Credentials

2015/2	Vice Chair, Fundamental Research, Garron Family Cancer Centre, Hospital for Sick Children

Recognitions

2103/8	Member, Scientific Advisory Board Angioma Alliance USA Distinction
2016/9	Member, Advisory Board White Lotus Foundation Distinction
2015/6	Representative, Canada and the Americas WormBoard Distinction
2013/8	Chair, Scientific Advisory Board Angioma Alliance Canada Distinction
2012/6 - 2017/7	Advisory Board Member F1000 Research Distinction
2007/11 - 2017/7	Member, Morphogenesis and Cell Biology F1000 Prime Distinction

Employment

2016/7	Professor Molecular Genetics, Medicine/University of Toronto/St. George Campus, University of Toronto
2010/10	Senior Scientist Developmental and Stem Cell Biology, Medicine/University of Toronto/St. George, The Hospital for Sick Children
2010/9	Member Collaborative Program in Developmental Biology, Medicine/University of Toronto/St. George, University of Toronto
2006/9	Mentor, Strategic Training in Transdisciplinary Radiation Science for the 21st Century (STARS21) Radiation Biology, Medicine/University of Toronto/St. George, Princess Margaret Hospital
2017/6 - 2017/11	Visiting Professor Zoophysiologie, Institut für Biochemie und Biologie, Universitätskomplex Golm, Universitat Potsdam
2011/7 - 2016/7	Associate Professor Molecular Genetics, Medicine/University of Toronto/St. George, University of Toronto
2003/9 - 2011/7	Assistant Professor Molecular Genetics, medicine/University of Toronto/St. George, University of Toronto
2003/9 - 2010/10	Scientist Developmental and Stem Cell Biology, Medicine/University of Toronto/St. George, The Hospital for Sick Children
1997/9 - 2003/6	Research Associate Molecular, Cellular & Development Biology, Letters and Sciences/University of California/ Santa Barbara, University of California, Santa Barbara

1992/9 - 1997/6	Teaching Assistant Molecular,Cellular & Developmental Biology, Letters and Sciences/University of California/ Santa Barbara, University of California, Santa Barbara
1989/9 - 1991/6	Teaching Assistant Biochemistry, Science/McMaster, McMaster University

Affiliations

The primary affiliation is denoted by (*)

(*) 2010/10	Senior Scientist, Development and Stem Cell Biology, The Hospital for Sick Children

Research Funding History

Awarded [n=12]

2017/6 - 2022/7
Principal Applicant

Molecular and cellular mechanisms that govern the development of cerebral cavernous malformations (CCM).

Co-applicant : Ian Scott

Funding Sources:

2017/6 - 2022/7	Canadian Institutes of Health Research (CIHR) Project grant Total Funding - 869,550 (Canadian dollar) Funding Competitive?: Yes

2016/4 - 2021/3
Principal Applicant

Regulation of seamless tube development

Funding Sources:

2016/4 - 2021/3	Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant Total Funding - 155,000 (Canadian dollar) Funding Competitive?: Yes

2017/10 - 2020/9
Principal Applicant

Optogenetic analysis of the molecular pathogenesis of Cerebral Cavernous Malformations using the Airyscan super-resolution system

Co-applicant : Ian Scott

Funding Sources:

2017/10 - 2020/9	Canada Foundation for Innovation (CFI) John R. Evans Leaders Fund Total Funding - 1,220,159 (Canadian dollar) Funding Competitive?: Yes

2014/9 - 2019/10
Principal Applicant

Molecular control of germline apoptosis in C. elegans

Funding Sources:

2014/10 - 2019/9	Canadian Institutes of Health Research (CIHR) Genetics Total Funding - 773,708 (Canadian dollar) Funding Competitive?: Yes

2017/7 - 2019/7
Principal Applicant

Role of alternative polyadenylation in Ras-driven cancers.

Co-investigator : Meredith Iriwn; Michael Wilson

Funding Sources:

2017/7 - 2019/7 Hospital for Sick Children
Garron Family Cancer Centre - Big Ideas Grant
Total Funding - 350,000 (Canadian dollar)
Funding Competitive?: Yes

2015/5 - 2018/5
Co-applicant

Pharmacological suppression of cerebral cavernous malformations

Co-applicant : Brent Derry; Elisabeth Tournier-Lassevre; Jens von Kries; Peter Roy;

Principal Applicant : Salim Seyfried

Funding Sources:

2015/5 - 2018/5 Federal Ministry of Education and Research (BMBF) (Germany)
E-RARE
Total Funding - 481,800 (Euro)
Funding Competitive?: Yes

2015/5 - 2018/5 Agence nationale de la recherche (ANR) (France)
E-RARE
Total Funding - 256,396 (Euro)
Funding Competitive?: Yes

2015/4 - 2018/4 Canadian Institutes of Health Research (CIHR)
E-RARE
Total Funding - 430,808 (Canadian dollar)
Funding Competitive?: Yes

2012/10 - 2017/9
Co-investigator

Molecular Mechanisms of Cerebral Cavernous Malformations

Principal Investigator : Gingras, Anne-Claude

Funding Sources:

2012/10 - 2017/9 Canadian Institutes of Health Research (CIHR)
Operating Grant
Total Funding - 950,134 (Canadian dollar)
Funding Competitive?: Yes

2012/4 - 2013/3 Canadian Institutes of Health Research (CIHR)
Operating Grant:Institute of Genetics Bridge Funding
Total Funding - 50,000 (Canadian dollar)
Funding Competitive?: Yes

2015/7 - 2016/6
Principal Investigator

Role of FOXO transcription factors and 3'-UTRs in sustained oncogene signalling

Co-investigator : Mads Daugaard

Funding Sources:

2015/7 - 2016/3 Canadian Institutes of Health Research (CIHR)
Additional one-year Grant - bridge grant (Large Grants)
Total Funding - 100,000 (Canadian dollar)
Funding Competitive?: Yes

2010/3 - 2015/3
Principal Investigator

Regulation of apoptosis by insulin signaling in C. elegans

Principal Investigator : Derry,William Brent

Funding Sources:

2010/3 - 2015/3
Canadian Institutes of Health Research (CIHR)
Operating Grant
Total Funding - 558,470 (Canadian dollar)
Funding Competitive?: No

2009/4 - 2015/3
Co-investigator

The Terry Fox Foundation Strategic Training Initiative for Excellence in Radiation Research for the 21st Century (EIRR21) at CIHR

Principal Investigator : Liu, Fei-Fei

Funding Sources:

2009/4 - 2015/3
Canadian Institutes of Health Research (CIHR)
Terry Fox Foundation Training Grant in Cancer Research at CI
Total Funding - 952,500 (Canadian dollar)
Funding Competitive?: Yes

2014/1 - 2015/1
Co-applicant

Delineating the Novel CCM3 Disease Pathway Using C. elegans and Zebrafish

Co-investigator : Ian Scott

Funding Sources:

2014/1 - 2015/1
CCM3 Action
MadoroM Research Award
Total Funding - 25,000 (United States dollar)
Funding Competitive?: Yes

2006/4 - 2014/3
Principal Investigator

Molecular control of germline apoptosis in C. elegans

Principal Investigator : Derry, William Brent

Funding Sources:

2009/4 - 2014/3
Canadian Institutes of Health Research (CIHR)
Operating Grant
Total Funding - 594,615 (Canadian dollar)
Funding Competitive?: Yes

Under Review [n=1]

2017/8 - 2021/6
Co-applicant

PRecision Oncology For Young peopLE (PROFYLE)

Principal Applicant : David Malkin

Funding Sources:

2017/7 - 2021/6
Terry Fox Research Institute (TFRI)
Precision Oncology For Young People (PROFYLE)
Total Funding - 25,000,000 (Canadian dollar)
Funding Competitive?: Yes

Student/Postdoctoral Supervision

Master's Thesis [n=3]

Principal Supervisor	Evan Wallace (Completed) , University of Toronto Student Degree Start Date: 2013/9 Student Degree Received Date: 2016/6 Project Description: Role of small GTPases in CCM-3-dependent tube development Present Position: Computer science graduate student, University of Toronto
Principal Supervisor	Mathew Hall (Completed) , University of Toronto Student Degree Start Date: 2011/12 Student Degree Received Date: 2014/11 Project Description: Regulation of vulva development in *C. elegans* by alternative polyadenylation. Present Position: Medical School, University of Toronto
Principal Supervisor	Ashley Ross (Completed) , University of Toronto Student Degree Start Date: 2007/1 Student Degree Received Date: 2010/10 Project Description: Regulation of CEP-1-dependent germline apoptosis by the E3 ubiquitin ligase EEL-1 Present Position: Project Manager, GlaxoSmithKline (Toronto)

Doctorate [n=6]

Principal Supervisor	Evelyn Popiel (In Progress) , University of Toronto Student Degree Start Date: 2017/1 Project Description: Identification and characterization of downstream effectors in the CCM-3/STRIPAK signalling pathway Present Position: PhD student
Principal Supervisor	Matthew Eroglu (In Progress) , University of Toronto Student Degree Start Date: 2016/1 Project Description: Role RNA-binding protein ZFAND5 in Ras/MAPK signalling. Present Position: PhD student
Principal Supervisor	Eric Chapman (In Progress) , University of Toronto Student Degree Start Date: 2012/9 Project Description: Non-autonomous control of C. elegans germline apoptosis by the CCM1/Krit1 orthologue kri-1. Present Position: PhD student
Principal Supervisor	Abigail Mateo (In Progress) , University of Toronto Student Degree Start Date: 2011/12 Student Degree Expected Date: 2017/11 Project Description: Role of cep-1/p53 in DNA repair Present Position: PhD student
Principal Supervisor	Dr. Andrew Perrin (Completed) , University of Toronto Student Degree Start Date: 2006/4 Student Degree Received Date: 2011/1 Project Description: Regulation of cep-1-dependent germline apoptosis by akt-1 Present Position: Psychiatry Fellow, University of British Columbia

Principal Supervisor	Dr. Shu Ito (Completed) , University of Toronto Student Degree Start Date: 2005/9 Student Degree Received Date: 2010/11 Project Description: Control of germline apoptosis by the CCM1 orthologue kri-1 in C. elegans Present Position: Lead Medical Editor, Klick Health

Post-doctorate [n=5]

Principal Supervisor	Aishwarya Subramanian (In Progress) , The Hospital for Sick Children Student Degree Start Date: 2016/5 Project Description: Regulation of oncogenic Ras/MAPK in development and cancer by alternative polyadenylation. Present Position: Postdoctoratal fellow
Principal Supervisor	Dr. Anh Tran (Completed) , Hospital for Sick Children Student Degree Start Date: 2013/10 Student Degree Received Date: 2016/7 Project Description: Regulation of C. elegans germline apoptosis by microRNAs. Present Position: Postdoctoratal fellow
Principal Supervisor	Dr. Swati Pal (In Progress) , Hospital for Sick Children Student Degree Start Date: 2012/11 Project Description: Role of CCM-3 in rachis development and germline tumour formation Present Position: Postdoctoratal fellow
Co-Supervisor	Dr. Hidehiro Okura (Completed) , Hospital for Sick Children Student Degree Start Date: 2012/6 Student Degree Received Date: 2016/6 Project Description: Genetic modifiers of Ras signalling Present Position: Surgical Fellow, Hospital for Sick Children
Principal Supervisor	Dr. Benjamin Lant (In Progress) , Hospital for Sick Children Student Degree Start Date: 2011/9 Project Description: Regulation of seamless tube development and elucidation of the ccm-3 gene network. Present Position: Postdoctoratal fellow

Knowledge and Technology Translation

2008/1 - 2015/12	Member, Executive Steering Committee, Consultation Service Target Stakeholder: Healthcare Personnel Outcome / Deliverable: This was a $400M capital project that provided both wet lab and dry lab space for the entire SickKids research institute. Successful completion of state-of-the-art 750,000 square foot, 21 story tower. Full occupancy and fully operational. The construction deadline was met and we were under budget for the project. Activity Description: Member of the executive steering committee that oversees design, construction and operation of the Peter Gilgan Centre for Research and Learning (SickKids Research Institute). Responsible for wet and dry laboratory design, and implementation of Leadership in Energy and Environmental Design (Gold level). Project budget: $400M.

International Collaboration Activities

2015/5 - 2018/4 Member, Germany
Collaborative team grant on cerebral cavernous malformations funded by E-RARE. The goals are to screen for small compounds that suppress vascular defects caused by mutations in the CCM1, CCM2 and CCM3 genes.

Presentations

1. (2018). Determinants of signalling thresholds in life or death decisions for the cell. Invited seminar, Centre for Genome Enhanced Medicine (CGEM), Dalhousie University, Halifax, Canada
Main Audience: Researcher
Invited?: Yes
2. (2017). The Cell and Systems Biology of Cerebral Cavernous Malformations. Bellairs Research Workshop on “The Cell and Systems Biology Of Disease”, Barbados
Main Audience: Researcher
Invited?: Yes
3. (2017). Killing cells and building tubes: Functional analysis of Cerebral Cavernous Malformation (CCM) proteins in C. elegans. Genes Development and Health Annual Retreat, Alberta Children’s Hospital Research Institute, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes
4. (2017). Using genetics to unravel apoptosis & cerebral cavernous malformation (CCM). Institut fuer Genetik, Technical University of Braunschweig, Braunschweig, Germany
Main Audience: Researcher
Invited?: Yes
5. (2017). Alternative polyadenylation modulates oncogenic Ras. 32nd Annual Genes & Cancer Meeting, Cambridge, United Kingdom
Main Audience: Researcher
Invited?: Yes
6. (2017). Your neighbours matter! Non-autonomous control of cell death in C. elegans. Cell Death, Cell Stress and Metabolism Conference, Cancun, Mexico
Main Audience: Researcher
Invited?: Yes
7. (2017). Using C. elegans to understand cerebral cavernous malformations (CCM). Departmental Seminar, Abo Akademi, Turku, Finland
Main Audience: Researcher
Invited?: Yes
8. (2017). Functional analysis of Cerebral Cavernous Malformation (CCM) proteins in C. elegans. Invited Seminar, Cancer Research UK, Beatson Institute, Glasgow, United Kingdom
Main Audience: Researcher
Invited?: Yes
9. (2016). The role of FOXO/DAF-16 in regulating alternative polyadenylation required for Ras/LET-60 signalling. BIOSS Centre for Biological Signalling Studies, University of Freiburg, Departmental Seminar Series, Freiburg, Germany
Main Audience: Researcher
Invited?: Yes

10. Dr. Anne-Claude Gingras, Dr. Angela Glading, Dr. Maria Grazia Lampugnani, Dr. Brad St. Croix. (2016). CCM & Cancer: Overlapping Biology & Cross-Fertilization. 12h Annual Angioma Alliance CCM Scientific Meeting, Washington, United States
Main Audience: Researcher
Invited?: Yes

11. (2016). Modeling cerebral cavernous malformations in C. elegans. The Allied Genetics Conference, Orlando, United States
Main Audience: Researcher
Invited?: Yes

12. (2016). Regulation of biological tube development in C. elegans by CCM-3. CCM Cure Team Meeting, Potsdam, Germany
Main Audience: Researcher
Invited?: Yes

13. (2016). Regulation of biological tube development and stability by CCM-3. Departmental seminar, Maisonneuve-Rosemont Hospital, Montreal, Canada
Main Audience: Researcher
Invited?: Yes

14. (2015). Survival and stress management of germline stem cells in C. elegans. Ontario Institute for Regenerative Medicine - Stem Cell Rounds, Toronto, Canada
Main Audience: Researcher
Invited?: Yes

15. (2015). Update on progress towards discovering new treatments for CCM. 4th Annual Cavernous Angioma Family Conference, Toronto, Canada
Main Audience: General Public
Invited?: Yes

16. (2015). A tale of tails - Sustained oncogenic Ras signalling through FOXO-dependent regulation of Cleavage Factor IM (CFIm). Gordon Research Conference on Cancer Genetics and Epigenetics, Lucca, Italy
Main Audience: Researcher
Invited?: Yes

17. (2015). Control of oncogenic Ras signaling by alternative polydenylation. Cell Death, Inflammation and Cancer, Saint Petersburg, Russian Federation
Main Audience: Researcher
Invited?: Yes

18. (2014). The C. elegans p53 axis in apoptosis and DNA repair. Departmental Seminars: Laval University, Quebec, Canada
Main Audience: Researcher
Invited?: Yes

19. (2014). Modelling human disease in C. elegans. The SickKids Summer Research Program, Toronto, Canada
Main Audience: Researcher
Invited?: Yes

20. (2014). Life and death decisions - using C. elegans genetics to understand human diseases. Invited seminar / Lady Davis Institute, Jewish General Hospital, Montreal, Montreal, Canada
Main Audience: Researcher
Invited?: Yes

21. (2013). Control of DNA damage-induced apoptosis by PI3K and MAPK signaling in C. elegans. Departmental Seminars: BC Cancer Agency, University of British Columbia, Vancouver, Canada
Main Audience: Researcher
Invited?: Yes

22. (2013). The interface of development and disease – modeling cancer and CCM in C. elegans. Departmental Seminars: University of South Carolina, Columbia, United States
Main Audience: Researcher
Invited?: Yes

23. (2013). Opportunities and challenges for worms in cancer research", in Improving Cancer Outcomes: Do We Have the Right Models. Canadian Cancer Research Conference, Toronto, Canada
Main Audience: Researcher
Invited?: Yes

24. (2013). The genetic landscape of cerebral cavernous malformations. 2nd Annual Cavernous Angioma Family Conference, Hamilton, Canada
Main Audience: General Public
Invited?: Yes

25. (2012). The Molecular Biology of CCM", 1st Canadian Cavernous Angioma Family Conference. Departmental Seminars: McMaster University, Hamilton, Canada
Main Audience: General Public
Invited?: Yes

26. (2012). Functional genomic analysis of pediatric tumor models in C. elegans. American Association for Cancer Research Annual Meeting, Chicago, United States
Main Audience: Researcher
Invited?: Yes

27. (2012). Regulation of cell death and vascular tube formation in C. elegans by the CCM genes. Departmental Seminars: Department of Chemistry and Biology and the Molecular Science Graduate Program, Ryerson University, Toronto, Canada
Main Audience: Researcher
Invited?: Yes

28. (2012). Control of vascular tube formation in C. elegans by the cerebral cavernous malformation (CCM) genes. Departmental Seminars: Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Canada
Main Audience: Researcher
Invited?: Yes

Publications

Journal Articles

1. Verster A.J., Styles E.B., Mateo A., Derry W.B., Andrews B.J., Fraser A.(2017). Taxonomically Restricted Genes with Essential Functions Frequently Play Roles in Chromosome Segregation in *Caenorhabditis elegans* and *Saccharomyces cerevisiae*. G3. NA(NA): NA.
Co-Author
In Press
Refereed?: Yes

2. Pal, S., Lant, B., Yu, B., Tian, R., Tong, J., Krieger, J.R., Moran, M.F., Gingras, A.C. & Derry, W.B.(2017). CCM-3promotes *C. elegans* germline development by regulating vesicletrafficking, cytokinesis and polarity. Current Biology. 27(6): 868-876.
   Last Author
   Published
   Refereed?: Yes
   Number of Contributors: 9

3. Abigail-Rachele Mateo, Zebulin Kessler, Anita Kristine Jolliffe, Olivia McGovern, Bin Yu, Alissa Nicolucci, Judith L. Yanowitz, W. Brent Derry. (2016). The p53-like protein CEP-1 is required for meiotic fidelity in *C. elegans*. Current Biology. 26(9): 1148-1158.
   Last Author
   Published
   Refereed?: Yes
   Number of Contributors: 8

4. Abigail-Rachele Mateo & W. Brent Derry. (2016). CEP-1 is pro-choice for reproductive health in *C. elegans*. Cell Cycle. 29(June 29): 1-2.
   Last Author
   Published
   Refereed?: Yes
   Number of Contributors: 2

5. W. Brent Derry. (2016). Chewing the fat about death with the neighbours. Cell Death and Differentiation. 23(7): 1097-1098.
   First Listed Author
   Published
   Refereed?: Yes
   Number of Contributors: 1

6. Matthew Eroglu & W. Brent Derry. (2016). Your neighbours matter - non-autonomous control of apoptosis in development and disease. Cell Death and Differentiation. 23(7): 1110-1118.
   Last Author
   Published
   Refereed?: Yes
   Number of Contributors: 2

7. Wan C, Borgeson B, Phanse S, Tu F, Drew K, Clark G, Xiong X, Kagan O, Kwan J, Bezginov A, Chessman K, Pal S, Cromar G, Papoulas O, Ni Z, Boutz DR, Stoilova S, Havugimana PC, Guo X, Malty RH, Sarov M, Greenblatt J, Babu M, Derry WB, Tillier ER, Wallingford JB, Parkinson J, Marcotte EM, Emili A.(2015). Panorama of ancient metazoan macromolecular complexes. Nature. 525(7569): 339-344.
   Co-Author
   Published
   Refereed?: Yes

8. Sadhna Phanse, Cuihong Wan, Blake Borgeson, Fan Tu,Kevin Drew, Greg Clark, Xuejian Xiong, Olga Kagan, Julian Kwan, Alexandr Bezginov, Kyle Chessman, Swati Pal, Graham Cromar, Ophelia Papoulas, Zuyao Ni, Daniel R. Boutz, Snejana Stoilova, Pierre C. Havugimana, Xinghua Guo, Ramy H. Malty, Mihail Sarov, Jack Greenblatt, Mohan Babu, W. Brent Derry, Elisabeth R. Tillier, John B. Wallingford, John Parkinson, Edward M. Marcotte, and Andrew Emili. (2015). Proteome-wide dataset supporting the study of ancient metazoan macromolecular complexes.Data in Brief. 6: 715-721.
   Co-Author
   Refereed?: Yes

   Funding Sources: Canadian Institutes of Health Research (CIHR) - MOP 137089

9. Benjamin Lant & W. Brent Derry. (2014). High-Throughput RNAi Screening for Germline Apoptosis Genes in *Caenorhabditis elegans*.. Cold Spring Harbor Protocols. 2014(4): 428-434.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

10. Benjamin Lant & W. Brent Derry. (2014). Analysis of Apoptosis in *Caenorhabditis elegans*. Cold Spring Harbor Protocols. 2014(5): 447-453.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

11. Benjamin Lant & W. Brent Derry. (2014). Fluorescent Visualization of Germline Apoptosis in Living *Caenorhabditis elegans*. Cold Spring Harbor Protocols. 2014(4): 420-427.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

12. Benjamin Lant & W. Brent Derry. (2014). Induction of Germline Apoptosis in *Caenorhabditis elegans*. Cold Spring Harbor Protocols. 2014(3): 271-277.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

13. Aiswarya Baruah, Hsienwen Chang, Mathew Hall, Jie Yuan, Sarah Gordon, Erik Johnson, Ludmila L. Shtessel, Callista Yee, Sigfried Hekimi, W. Brent Derry, Siu Sylvia Lee. (2014). CEP-1, the *Caenorhabditis elegans* p53 homolog, mediates opposing longevity outcomes in mitochondrial electron transport chain mutants. PLoS Genetics. 10(2): 1-14.
Co-Author
Published
Refereed?: Yes
Number of Contributors: 11

14. Benjamin Lant & W. Brent Derry. (2014). Immunostaining for Markers of Apoptosis in the *Caenorhabditis elegans* Germline. Cold Spring Harbor Protocols. 2014(5): 1-.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

15. Benjamin Lant & W. Brent Derry. (2014). Visualizing Apoptosis in Embryos and the Germline of *Caenorhabditis elegans*. Cold Spring Harbor Protocols. 2014(3): 278-283.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

16. Benjamin Lant & W. Brent Derry. (2013). Methods for detection and analysis of apoptosis signaling in the *C. elegans* germline. Methods (San Diego, Calif.). 61(2): 174-182.
Last Author
Published
Refereed?: Yes
Number of Contributors: 2

17. Gabriel Leprivier, Marc Remke, Barak Rotblat, Adrian Dubuc, Abigail-Rachele Mateo, Marcel Kool, Samir Agnihotri, Amal El-Naggar, Bin Yu, Syam Prakash Somasekharan, Brandon Faubert, Gaelle Bridon, Cristina E. Tognon, Joan Mathers, Ryan Thomas, Amy Li, Adi Barokas, Brian Kwok, Mary Bowden, Stephanie Smith, Xiaochong Wu, Andrey Korshunov, Thomas Hielscher, Paul A. Northcott, Jason D. Galpin, Christopher A. Ahern, Ye Wang, Martin G. McCabe, V. Peter Collins, Russell G. Jones, Michael Pollak, Olivier Delattre, Martin E. Gleave, Eric Jan, Stefan M. Pfister, Christopher G. Proud, W. Brent Derry, Michael D. Taylor, Poul H. Sorensen. (2013). The eEF2 kinase confers resistance to nutrient deprivation by blocking translation elongation.Cell. 153(5): 1064-1079.
    Co-Author
    Published
    Refereed?: Yes
    Number of Contributors: 39
18. A. Kristine Jolliffe & W. Brent Derry. (2013). The TP53 signaling network in mammals and worms. Briefings in Functional Genomics. 12(2): 129-141.
    Last Author
    Published
    Refereed?: Yes
    Number of Contributors: 2
19. Andrew J. Perrin, Madhavi Gunda, Bin Yu, Kelvin Yen, Shu Ito, Stephen Forster, Heidi A. Tissenbaum, W. Brent Derry. (2013). Noncanonical control of *C. elegans* germline apoptosis by the insulin/IGF-1 and Ras/MAPK signaling pathways.. Cell Death and Differentiation. 20(1): 97-107.
    Last Author
    Published
    Refereed?: Yes
    Number of Contributors: 8

Intellectual Property

Patents

1. Methods for identifying novel therapeutics and diagnostics in the p53 pathway (UC Case No.2000-028-1). United States. 2001/05/16.
    Patent Status: Granted/Issued
    Year Issued: 2007