

**Chrissa Kioussi, Ph.D.**

Professor and Chair

Department of Pharmaceutical Sciences | College of Pharmacy Oregon State University

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**EDUCATION**

Ph.D. Cell and Molecular Biology, Hellenic Pasteur Institute, Athens, Greece	1992
B.S. and Diploma Biology, National and Kapodistrian University of Athens, Athens, Greece	1987

**EMPLOYMENT**

Chair, Dep. Pharmaceutical Sciences, College of Pharmacy Oregon State University	2021 - date
Professor, Dep. Pharmaceutical Sciences, College of Pharmacy Oregon State University	2015 - date
Associate Professor, Dep. Pharmaceutical Sciences, College of Pharmacy Oregon State University	2009 - 2015
Visiting Professor, Karolinska Institute, Department of Neuroscience Linnaeus Center Developmental Biology for Regenerative Medicine Stockholm, Sweden	2010 - 2011
Assistant Professor, Dep. Pharmaceutical Sciences, College of Pharmacy Oregon State University	2006 - 2009
Assistant Professor, Dep. Biochemistry and Biophysics, College of Sciences Oregon State University	2002 - 2006
Investigator, Center for Quantitative Life Sciences (CQLS) Oregon State University	2002 - date
Member, Graduate Program in Molecular and Cellular Biology Oregon State University	2002 - 2019
Member, Environmental Health Sciences Center Oregon State University	2002 - 2015
Member, Graduate Program in Genetics Oregon State University	2002 - 2010
Research Assistant Professor, Howard Hughes Medical Institute, School of Medicine University of California San Diego, La Jolla, CA (Dr. Michael Rosenfeld)	1996 - 2002
Research Associate, Department of Neurochemistry, Scripps Research Institute La Jolla, CA, USA (Dr. Gerald Edelman 1972 Nobel Prize in Physiology and Medicine)	1996
Post-Doctoral Fellow, Department of Molecular Genetics, Max-Planck Institute for Biophysical Chemistry, Göttingen, Germany (Dr. Peter Gruss)	1992 - 1995
Graduate Student, Pasteur Institute, Paris, France (Dr. Luc Montagnier, 2008 Nobel Prize in Physiology and Medicine)	1991 - 1992
Graduate Student, University College London, UK (Dr. Rhona Mirsky and Dr. Kristjan Jessen)	1989 - 1991
Graduate Student, Hellenic Pasteur Institute, Athens Greece (Dr. Rebecca Matsas)	1988 - 1992
Graduate Student, Institut für Molekularbiologie und Tumorforschung	

Philipps-Universität, Marburg, Germany (Dr. Miguel Beato)

1987 - 1988

**LEADERSHIP****Chair of Pharmaceutical Sciences (2021 – date)**

- Provides leadership, supervision, mentorship and guidance for faculty, staff, students, and trainees in the department in addition to promoting the research portfolio of the college
- Monitors, advocates for, and coordinates needs for enhancement of teaching and research
- Leads departmental initiatives of diversity, equity, and inclusion
- Serves on the College Executive Committee and participate in key personnel decisions, faculty hires and budgetary decisions
- Develops strategies for enhancing the visibility of the Department, works with the University's and College's marketing teams
- Participates in university activities/meetings required of departmental chairs or unit heads
- Develops, enacts and assess progress on a strategic plan for the department that is consistent with the vision and mission of the college
- Makes teaching and service assignments, manage workload and determine space allocations
- Facilitates communication between the members of the department and College leadership
- Assists faculty in creating and implementing professional development plans
- Performs annual reviews of departmental faculty, develops metrics for and recommend faculty salary increases, assists in development of plans for mentoring and continued advancement of individual faculty, and facilitates peer and student evaluations of faculty teaching
- Promotes and supports interdisciplinary research in the department
- Oversees and manages research expenditures (\$11M in 2023; \$18 M in 2024)
- Created a new research center in drug delivery
- Assists with PharmD enrollment, works with recruiters, personalizes and integrates approaches to increase engagement, application activity, and ultimately enrollment, attends grad fairs, gives presentations to prospective students
- Created a new graduate program (online MS, fall 2024) to increase enrollment in both Pharm.D. and Ph.D. programs
- Cultivates partnership with Honors College and College of Science for maintaining an active pre-pharmacy undergraduate degree

**AACP ALFP Fellow (2022 - 2023)**

- Developed leadership skills through the process of self-discovery and reflection
- Cultivated a network of colleagues for support and mentorship
- Enhanced leadership and management skills to build an executive presence in the college, university and the academy
- Created a leadership philosophy

**Provost Fellow (2020 - 2021)**

- Led a university task force on developing guidelines for Competencies and Transferable Skills for Graduate Students, *OSU Grad Advantage*
- Partnered with the Vice Provost and Dean of the Graduate School on creating a new Interdisciplinary Graduate Program, *Translational Data Sciences*
- Worked with the Senior Vice Provost of Faculty Affairs on Promotion & Tenure guidelines for Tenured track and Clinical Faculty

- Partnered with the Senior Vice Provost of Faculty Affairs on designing content for the New Academic Faculty Orientation
- Partnered with the Office of the Faculty Affairs and OSU faculty representatives on identifying the impacts of COVID-19 pandemic in the academic faculty, and make recommendations to the provost

**Chair of the College of Pharmacy Promotion and Tenure College Committee (2018 - 2021)**

- Mentored tenured track, tenured and clinical faculty during the different phases of professorial levels
- Established a timeline for each step of process (dossier, department chair letter, student letter, external letters)
- Advised candidate about the requirements of promotion and tenure process and on strategy for success
- Worked with the Department Chairs to identify external reviewers
- Contacted external reviewers and offer guidelines to assure their evaluation make a useful comparison between the candidate and the identified national/international cohort
- Followed criteria and procedures outlined by the Oregon State University guidelines for tenure and promotion for faculty in the Professorial rank, Professors of Practice, Clinical Faculty, Instructors and Research Professors (all ranks)
- Acted as a liaison between the College and the Faculty Affairs Office of the University

**Chair of the Institutional Animal Care and Use Committee, Research Office (2018 - 2021)**

- Established partnership between IACUC, Animal Program Office and Institutional Official
- Established policies/guidelines for common experimental procedures, biosafety, post approval monitoring
- Implemented regulations using scientifically-sound, performance-based standards to improve inspection protocols, minimize regulatory burden, enhance post-approval monitoring and establish training programs
- Engaged in conversations with the Attending Veterinarian and Institutional Official for improving animal care
- Established dialogue between researchers and IACUC for streamlining procedures and applications
- Engaged IACUC leaders of the Pacific North West Institutes to share ideas and concerns

**Member of the Center for Quantitative Life Sciences Scientific Advisory Board (2002 - 2006; 2016 - date)**

- Reviews Center's budget, personnel and research activities
- Advises the Director on strategic personnel hiring, instrument implementations and technical support of the core facilities

**Member of the Faculty Senate Graduate Council (2008 - 2011; 2020 - 2023)**

- Designed specific requirements of graduate programs
- Reviewed and evaluate graduate programs
- Reviewed admission standards, basic degree requirements, and general policies
- Reviewed applications and nominations for specific university graduate students awards and recommend recipients.

**Faculty, College of Science (2002 - 2006) & College of Pharmacy (2006 - date)**

- Lead and managed \$8M in funding from NIH and foundation programs as Principal Investigator

- Manages \$18M research expenditures as department chair
- Leads a research group in molecular genetics and systems biomedicine
- Develops national and international collaborations
- Developed a successful, externally funded research program (overseeing research productivity, budgets, laboratory safety, data interpretation, reporting outcomes to funding agencies and collaborators)

## TEACHING, ADVISING AND MENTORING

### Teaching

- **Undergraduate Courses**
  - Biochemistry and Biophysics BB 494                      2002 - 2006, 30 students
  - Biochemistry and Biophysics BB 495                      2002 - 2006, 30 students
- **Graduate Courses**
  - Pharmacy PHAR 506 (E-campus)                      2024 - date, 10 students
  - Pharmacy PHAR 594 (E-campus)                      2020 - date, 10 students
  - Molecular and Cell Biology MCB 671                      2013 - 2019, 12 students
  - Molecular and Cell Biology MCB 555                      2017 - 2018, 6 students
  - Molecular and Cell Biology MCB 556                      2015 - 2016, 8 students
  - Pharmacy PHAR 565                      2008 - 2010, 6 students
  - Molecular and Cell Biology MCB 511                      2003 - 2009, 12 students
  - Molecular and Cell Biology MCB 525                      2003 - 2007, 25 students
  - Biochemistry and Biophysics BB 650                      2004 - 2006, 10 students
  - Biochemistry and Biophysics BB 595                      2002 - 2006, 12 students
  - Biochemistry and Biophysics BB 599                      2003 - 2005, 6 students
- **Professional Courses**
  - IPE 401/501/601/701                      2012 – 2016 and 2024 - date, 15 students
  - Pharmacy PHAR 737                      2009 - date, 70 - 90 students
  - Pharmacy PHAR 753                      2008 - date, 70 - 90 students

### Advising and Mentoring

- **Postdoctoral Trainees**
  - Sergiy Kyryachenko Ph.D.                      2009 - 2011; Researcher/Project Manager INSERM Paris, France
  - Traci Hilton Ph.D.                      2007 - 2009; Principal Investigator Vaccine Development  
UbiVac, Portland OR, USA
  - Olga Golonzhka Ph.D.                      2007 - 2008; Director Takeda Pharmaceuticals Boston MA, USA
  - Stan Wang Ph.D.                      2004 - 2005
- **Graduate Students (Mentor)**
  - Amar Salem                      2023 - date M.S./Ph.D. Pharmaceutical Sciences
  - Nilika Bhattacharya                      2023 Ph.D. Pharmaceutical Sciences; PostDoc Mayo Clinic  
Phoenix, AZ, USA
  - Sania Mahangave                      2022 M.S. Pharmaceutical Sciences; QC Chemist Medivan  
Healthcare, AZ, USA

- Sarah Alto 2022 Ph.D. Molecular Cell Biology; PostDoc University of Washington, Seattle, WA
- Vera Chang Lattier 2018 Ph.D. Molecular Cell Biology; Scientist ColImmune Raleigh-Durham NC, USA
- Arun Singh 2017 Ph.D. Pharmaceutical Sciences; USA
- Hsiao-Yen Ma 2013 Ph.D. Pharmaceutical Sciences; Scientist Genentech San Francisco CA, USA
- Diana Eng 2013 Ph.D. Mol Cell Biology; Scientist University of Washington, Seattle WA, USA
- Adam Campbell 2012 Ph.D. Pharmaceutical Sciences; Scientist Pfizer, Pearl River NY, USA
- Jun Xu 2012 Ph.D. Pharmaceutical Sciences; Scientist Gilead Sciences Foster City CA, USA
- Shachi Bhatt 2007 M.S. Genetics; Editor Rockefeller University Press, NYC NY, USA
- Merveen Appu 2006 M.S. Pharmaceutical Sciences; MD Pediatric Neurology Madera CA, USA
- Ben Shih 2007 Ph.D. Biochemistry and Biophysics; Assistant Professor City of Hope, Duarte CA, USA
- **Graduate Students** (committee member (CM) or Graduate School representative (GSR))
  - WooJae Jung 2021 - 2026 Ph.D. Food Science & Technology (CM)
  - Alex Eddins 2020 - 2025 Ph.D. Biochemistry Biophysics (CM)
  - Cameron Sagden 2024 - date PhD Chemical Engineering (GCR)
  - Christina Flores 2024 Ed.D. (GCR)
  - Jackson Brim-Edwards 2024 M.S. Kinesiology (CM)
  - Paige Jamieson 2024 Ph.D. Nutrition (CM)
  - Kellie Roth 2024 M.S. Pharmaceutical Sciences (CM)
  - Erin McGowan 2023 Ph. D. Kinesiology (GCR)
  - Manoj Gurund 2021 Ph.D. Comparative Health Sciences (CM)
  - Brian Head 2021 Ph.D. Molecular Cell Biology (CM)
  - Harisson Stierwalt 2020 Ph. D. Kinesiology (CM)
  - Elahe Esfandiari 2019 Ph.D. Pharmaceutical Sciences
  - Jessica Philips 2017 Ph.D. Molecular Cell Biology (CM)
  - Lin Huang 2016 Ph. D. Organic Chemistry (CM)
  - Prasad Kopparapu 2016 Ph. D. Environmental Molecular Toxicology (CM)
  - Kateryna Kyrylkova 2014 Ph.D. Pharmaceutical Sciences (CM)
  - Galen Miller 2012 Ph.D. Molecular Cell Biology (CM)
  - Maciej Maselko 2011 Ph.D. Molecular Cell Biology (GSR)
  - Kelsi Sandoz 2011 Ph.D. Molecular Cell Biology (GSR)
  - Eugene Choi 2011 M.S. Public Policy Program (GSR)
  - Anand Verrkataraman 2009 Ph.D. Molecular Cell Biology (CM)
  - Vajrala Neeraja 2008 Ph.D. Molecular Cell Biology (GSR)
  - Olga Golonzhka 2008 Ph.D. Biochemistry and Biophysics (CM)
  - Jaime Bautista Ortega 2008 Ph.D. Animal Sciences (CM)
  - Elisabeth Chapman 2007 Ph.D. Molecular Cell Biology (CM)
  - Haoran Wang 2005 M.S. Pharmacology (CM)
  - Ahmed Al-Fajedeh 2004 M.S. Environmental Molecular Toxicology (CM)

- **International Graduate Students**

- Ludovica Lela 2023 Ph.D. University of Basilicata, Italy
- Benedicte Billard 2015 M.S. Université de Lyon

- **Pharm. D Students**

- Noor Abdulqader 2028 Pharm.D.
- Madeline Moss 2024 Pharm.D.
- Thai Tran 2019 Pharm.D.
- Andrew Sowles 2014 Pharm.D.
- Chelsea Smith 2013 Pharm.D.

- **Undergraduate Students**

- Max Hamilton 2014, summer student Clemson University
- Elisabeth Duncan 2013 - 2014, Honors College, Pharm.D. 2018 OSU
- James Croft 2013, summer student Western Oregon University
- Malak Abugreen 2013
- Nisha Panchal 2011 - 2012, Pharm.D. 2016 OSU
- Kha Wu 2011 - 2012, Pharm.D. 2016 OSU
- Nick Leid 2011, summer student University of Reno, Pharm.D. 2015 OSU
- Janae Winden 2009, Pharm.D. 2014 OSU
- Kaylin Winden 2009, Pharm.D. 2014 OSU
- AJ Sowles 2008 - 2009, Pharm.D. 2013 OSU
- Chelsea Smith 2008 - 2009, Pharm.D. 2012 OSU
- Chrissy Rains 2008 - 2009, D.V.M. 2013 OSU
- Milky Tesfaye 2007 - 2008
- Erik Coffman 2006 - 2008, Pharm.D. 2013 University of New Mexico
- Giao Bui 2005 - 2006
- Jeremi Runyan 2005 - 2006
- Christopher Barnhard 2005 - 2006, Ph.D. 2015 UC Davis
- Steve Scott 2005 - 2006
- Brett Palama 2005 -2006, M.D. 2010 University of Michigan
- Kevin Meeuwesen 2004 -2005, M.D. 2009 OHSU
- Melissa Calhoun 2004- 2005, Biology, HHMI Summer Fellow, D.O. 2012
- Dan D. Tanaree 2003, Honors College, Ph.D. 2016 OSU
- Coral Nash 2003 - 2004, R.N. 2008 OHSU
- Kinsley Hubel 2003
- Emily McFarland 2003
- Seida Zaarpoor 2003 – 2004, J.D. Boston University
- Belinda Vanstauben 2003 - 2004
- Alex Cabrera 2002 - 2004, HHMI Summer Fellow, URISC Fellow

- **High School Students**

- Sam Gregory 2021
- Christopher Gregory 2015
- Jacob Halaj 2016
- Rea Kioussi 2015
- Artemis Kioussi 2013
- Elisabeth Humphrey 2012
- Axel Gross 2012

- Erika Hamilton 2004

## PROFESSIONAL ACTIVITIES

### Peer Review Publications

- 5,650 citations; h-index 31; i10-index 51 (Google Scholar)
- 3,433 citations; h-index 26 (Web of Science)
- <http://www.ncbi.nlm.nih.gov/myncbi/browse/collection/40288278/?sort=date&direction=ascending> <http://orcid.org/0000-0001-8226-9908>

\* corresponding author

73. Lela L, Carlucci V, **Kioussi C**, Choi J, Stevens JF, Milella L, Russo D. Humulus lupulus L.: evaluation of phytochemical profile and activation of bitter taste receptors to regulate appetite and satiety in intestinal secretin tumor cell line (STC-1 cells)" (2024) *Molecular Nutrition & Food Research*, doi: 10.1002/mnfr.202400559
72. Dietrich S, Schubert FR, **Kioussi C**\* Editorial: Skeletal muscle-From developmental concepts to therapy. (2023) *Front Cell Dev Biol.* 2023 Jan 12;10:1111561. doi: 10.3389/fcell.2022.1111561. eCollection 2022.PMID: 36712967
71. Kundu P, Paraiso IL, Choi J, Miranda CL, **Kioussi C**, Maier CS, Bobe G, Stevens JF, Raber J. (2022) J. Xanthohumol improves cognition in farnesoid X receptor-deficient mice on a high-fat diet. *Dis Model Mech.* 2022 Nov 1;15(11):dmm049820. doi: 10.1242/dmm.049820.
70. Paraiso IL, Mattio LM, Alcázar Magaña A, Choi J, Plagmann LS, Redick MA, Miranda CL, Maier CS, Dallavalle S, **Kioussi C**, Blakemore PR, Stevens JF. (2021). Xanthohumol Pyrazole Derivative Improves Diet-Induced Obesity and Induces Energy Expenditure in High-Fat Diet-Fed Mice. *ACS Pharmacol Transl Sci.* 4(6):1782-1793. doi: 10.1021/acspsci.1c00161.
69. Alto SI, Chang CN, Brown K, **Kioussi C**\*, Filtz TM (2021). Gene expression profiling of skeletal muscles *Genes* 12(11):1718. doi: 10.3390/genes12111718.
68. Paraiso IL, Tran TQ, Magana AA, Kundu P, Choi J, Maier CS, Bobe G, Raber J, **Kioussi C**, Stevens JF. Xanthohumol ameliorates Diet-Induced Liver Dysfunction via Farnesoid X Receptor-Dependent and Independent Signaling (2021). *Front Pharmacol.* 12:643857. doi: 10.3389/fphar.2021.643857
67. Head B, Ramsey SA, **Kioussi C**, Tanguay RL, Traber MG (2021). Vitamin E Deficiency Disrupts Gene Expression Networks during Zebrafish Development. *Nutrients* 13, 468. doi: 10.3390/nu13020468
66. Head B, La Du J, Tanguay RL, **Kioussi C**, Traber M. (2020). Vitamin E is necessary for zebrafish nervous system development *Sci Rep.* 10(1):15028. doi: 10.1038/s41598-020-71760-x.PMID: 32958954
65. Paraiso IL, Revel JS, Choi J, Miranda CL, Lak P, **Kioussi C**, Bobe G, Gombart AF, Raber J, Maier CS, Stevens JF (2020). Targeting the Liver-Brain Axis with Hop-Derived Flavonoids Improves Lipid Metabolism and Cognitive Performance in Mice *Mol Nutr Food Res.* 64(15):e2000341. doi: 10.1002/mnfr.202000341
64. **Kioussi C**\* (2020) Culturing and Manipulating Mouse Embryonic Stem Cells *Methods Mol Biol.* 2155:1-9. doi: 10.1007/978-1-0716-0655-1\_1.
63. Chang CN, Singh AJ, Gross MK, **Kioussi C**\* (2019). Requirement of Pitx2 for skeletal muscle homeostasis. *Dev. Biol.* 445(1):90-102. doi: 10.1016/j.ydbio.2018.11.001.

62. Chang CN, **Kioussi C\*** (2018) Location, Location, Location: Signals in Muscle Specification. *J. Dev. Biol.* 6, 11; doi:10.3390/jdb6020011.
61. Singh AJ, Chang CN, Ma HY, Ramsey SA, Filtz TM, **Kioussi C\*** (2018). FACS-Seq analysis of Pax3-derived cells identifies non-myogenic lineages in the embryonic forelimb. *Sci Rep.* 8(1):7670. doi: 10.1038/s41598-018-25998-1.
60. Schubert FR, Singh AJ, Afoyalan O, **Kioussi C**, Dietrich S. (2018). To roll the eyes and snap a bite - function, development and evolution of craniofacial muscles. *Semin Cell Dev Biol.* S1084-9521(17)30148-9. doi: 10.1016/j.semcdb.2017.12.013.
59. Miranda CL, Johnson LA, de Montgolfier O, Elias VD, Ullrich LS, Hay JJ, Paraiso IL, Choi J, Reed RL, Revel JS, **Kioussi C**, Bobe G, Iwaniec UT, Turner RT, Katzenellenbogen BS, Katzenellenbogen JA, Blakemore PR, Gombart AF, Maier CS, Raber J, Stevens JF. (2018). Non-estrogenic Xanthohumol Derivatives Mitigate Insulin Resistance and Cognitive impairment in High-Fat Diet-induced Mice. *Sci Rep.* 8(1):613. doi: 10.1038/s41598-017-18992-6.
58. Singh AJ, Ramsey SA, Filtz TM, **Kioussi C\*** (2017). Differential gene regulatory networks in development and disease. *Cell Mol Life Sci.* doi: 10.1007/s00018-017-2679-6
57. Singh AJ, Gross MK, Filtz TM, **Kioussi C\*** (2016). Mapping the chromatin state dynamics in myoblasts. *Gene Reports* 3 5-13.
56. Billard B, Chang CN, Shing AJ, Gross MK, Allen R, **Kioussi C\*** (2016). Phenotypic Screening of Drug Library in Actively Differentiating mouse embryonic Stem cells. *J Biomol Screen.* Jan 8. pii: 1087057115624093.
55. Gross AP, **Kioussi C\*** (2014). Culturing and Differentiating Mouse Embryonic Stem Cells. *Methods Mol Biol.* 1210:1-8. doi: 10.1007/978-1-4939-1435-7\_1.
54. Eng D, Vogel WK, Flann NS, Gross MK, **Kioussi C\*** (2014). Genome-Wide Mapping of Chromatin State of Mouse Forelimbs *OA Bioinformatics* Sep 6: (1-11) dx.doi.org/10.2147/OAB.S59043.
53. Eng D, Ma HY, Gross MK, **Kioussi C\*** (2013) Making of a Skeletal Muscle ISRN Developmental Biology.
52. Venkataraman A, Coleman DJ, Nevriy DJ, Long T, **Kioussi C**, Indra AK, Leid M (2014). GRp1-associated scaffold protein regulates skin homeostasis after ultraviolet irradiation. *Photochem Photobiol Sci.* 13(3):531-40. doi: 10.1039/c3pp50351h.
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45. Eng D, Ma HY, Xu J, Shih HP., Gross MK, **Kioussi C\*** (2012) Loss of abdominal muscle in Pitx2 mutants associated with altered axial specification of the lateral plate mesoderm. *PLoS ONE*. 2012;7(7):e42228 doi:10.1371/journal.pone.0042228
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34. Zhang L-j, Liu X, Gafken PR, **Kioussi C**, Leid M (2009). A chicken ovalbumin upstream promoter-transcription factor I (COUP-TFI) complex represses expression of the gene encoding tumor necrosis factor alpha-induced protein 8. *J Biol Chem* 284(10):6156-68. doi: 10.1074/jbc.M807713200.
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24. Loflin J, Lopez N, Whanger PD and **Kioussi C\*** (2006). Selenoprotein W during embryonic development. *J. Inorganic Biochem* 100:1679-1684.
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21. **Kioussi C**, Briata P, Baek SH, Rose D, Hamblet NS, Herman T, Oghi KA, Lin C, Gleiberman A, Wang J, Brault V, Ruiz-Lozano P, Nhugen HD, Kemler R, Glass CK, Wynshaw-Boris A and Rosenfeld MG (2002). Identification of a Wnt/Dvl/Pitx pathway mediating cell type specific proliferation during development. *Cell* 111: 673-685.
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19. **Kioussi C**, O'Connell S, St-Onge L, Treier M, Gleiberma, AS, Gruss P and Rosenfeld MG (1999). Pax6 is essential for establishing ventral-dorsal cell boundaries in pituitary gland development. *Proc Natl Acad Sci U S A* 96: 14378-14382.
18. **Kioussi C** and Rosenfeld MG (1999). Body's left side. *Cell Mol. Biol.* 45: 517-522.
17. **Kioussi C**, Lin CR., O' Connell S, Briata P, SzetoD, Liu F, Izpisua-Belmonte JC and Rosenfeld MG (1999). Pitx2 regulates lung asymmetry, cardiac positioning, and pituitary and tooth Morphogenesis. *Nature* 401: 279-282.
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  6. Stuart ET, **Kioussi C** and Gruss P (1994). Mammalian Pax genes. *Ann. Rev. Gen.* 26:219-237.
  5. Yamada G, **Kioussi C**, Schubert FR, Eto ., Chowdhury K, Pituello F and Gruss P (1994). Regulated expression of Brachyury (T), Nkx-1.1 and Pax genes in embryoid bodies. *Biochem. Biophysic. Res. Comm.* 199: 552-563.
  4. **Kioussi C** and Yamada G (1994). Double labeling of mRNA and protein markers in cultured embryoid bodies. *J. Tissue Cult. Tech.* 16: 11-16.
  3. **Kioussi C**, Mamalak, A, Jessen KR, Mirsky R, Hersch LB and Matsas R (1995). Expression of Endopeptidase-24.11 (Common acute lymphoblastic leukaemia antigen CD10) in the sciatic nerve of the adult rat after lesion and during regeneration. *Eur. J. Neurosci.* 7:951-961.
  2. **Kioussi C**, Crine P and Matsas R (1992). Endopeptidase-24.11 is suppressed in myelin forming Schwann cells during development of the rat sciatic nerve. *Neuroscience* 50: 69-83.
  1. **Kioussi C** and Matsas R (1991). Endopeptidase-24.11, a cell-surface peptidase of central nervous system neurons is expressed by Schwann cells in the pig peripheral nervous system. *J. Neurochem.* 57: 431-440.

### Invited Lectures

- |   |      |
|---|------|
| 33. Polyphenols World Meeting Malta   | 2023 |
| <i>Gut microbiome and bile acid remodeling by xanthohumol, an FXR modulator</i>     |      |
| 32. Gordon Research Conference Extraocular Muscle and Motor Neuron Development      | 2023 |
| Mount Holyoke College, South Hadley MA  |      |
| <i>Role of Pre-Myogenic Mesodermal Pitx Specification in Eye Muscle Development</i> |      |
| 31. Hellenic Pasteur Institute, Athens Greece                                       | 2019 |
| <i>Gene Networks in skeletal Muscle Development and Regeneration</i>                |      |
| 30. Hellenic Pasteur Institute, Athens Greece                                       | 2018 |
| <i>Lessons from Myogenesis for the cure of Muscular Dystrophies</i>                 |      |
| 29. Oregon State University, College of Human Health and Science, Corvallis OR USA  | 2018 |
| <i>Of Mice and Men - Muscle and Energy</i>  |      |
| 28. Oregon State University, College of Veterinary Medicine, Corvallis OR USA       | 2018 |
| <i>Muscle Integrity and Energy Homeostasis</i>                                      |      |
| 27. City of Hope, Diabetes and Metabolism Research Institute, Duarte CA             | 2017 |
| <i>Gene Networks in Metabolic Syndrome</i>  |      |
| 26. University of California San Diego, The Rosenfeld Symposium, La Jolla CA        | 2016 |
| <i>From Mice to Men, from Myopathy to Metabolic Syndrome</i>                        |      |

25. Oregon State University, Center for Gene Research and Biocomputing, Corvallis, OR 2016  
*Myopathies and Metabolic Syndrome"*
24. The Rockefeller University, NYC, NY 2015  
*Development, Disease and Tissue Regeneration"*
23. EMBO Conference, The Molecular and Cellular Mechanisms Regulating Skeletal Muscle Development and Regeneration, Lecce, Italy 2014  
*Pitx2 Onset in Pax3 Defined Progenitor Pools*
22. College of Pharmacy, Oregon State University Corvallis OR 2014  
*Disease, Injury, Organ Development and Repair*
21. Honors College, Oregon State University, Corvallis OR  
*Organ Development, Disease and Regeneration*
20. Academy of Life-Long Learning, Corvallis OR 2013  
*Development, Disease and Regeneration*
19. Research Colloquium Collaborative Projects, Oregon State University, Corvallis OR 2013  
*Organ Development, Disease and Regeneration*
18. College of Veterinary Medicine, Oregon State University, OR, USA 2012  
*Reconstructing Muscle: From Genesis to Myopathy*
17. Saturday Academy, College of Pharmacy, Oregon State University, Corvallis OR, USA 2012  
*Mouse Models for Understanding Human Disease*
16. Max Planck Institute, Munster Germany, Invited Speaker 2011  
*Gene Networks in Muscle Development*
15. Karolinska Institute, Department of Neuroscience, Stockholm, Sweden 2011  
*Gene Networks in Muscle Development"*
14. EMBO Conference, The Molecular and Cellular Mechanisms Regulating Skeletal Muscle Development and Regeneration, Wiesbaden, Germany 2011  
*Motility of Myogenic Cells in Filling Limb Muscle Anlagen"*
13. Oregon State University, CGRB, Corvallis, OR, USA 2009  
*Goodies for the Tooth Fairy: Ctip2 and the Production of Enamel*
12. Hellenic Pasteur Institute, Athens, Greece 2008  
*Gene Networks for Muscle Development and Muscular Dystrophies*
11. Fred Hutchinson Cancer Center, Seattle, WA, USA 2007  
*Gene Networks for Muscle Development and Muscular Dystrophies"*
10. Netherlands Cancer Institute, Dept. Molecular Genetics Amsterdam, The Netherlands 2007  
*Molecular Networks During Muscle Development"*
9. Oregon State University, Linus Pauling Institute Seminar Series, Corvallis, OR 2006  
*The genesis of a healthy muscle. From transcriptional regulation to diet.*
8. European Cardiovascular Development Meeting, Malaga, Spain 2006  
*Pitx2 and Heart Field Developmental Fields"*
7. Oregon State University EHSC Retreat Shalishan OR, USA 2004  
*Mouse Molecular Genetics at OSU*
6. Oregon Health Sciences University, Heart Group Retreat Portland OR, USA 2003  
*Molecular Networks for Developing Heart and Skeletal Muscle*
5. Oregon State University EHSC Retreat, Shalishan OR, USA 2003  
*Development of a Heart*
4. Oregon State University CGRB Retreat, Newport, OR, USA 2003  
*Homeobox Genes and Organ Formation"*
3. Oregon State University Department of Zoology, Corvallis, OR, USA 2003

- Development of a Heart"*
2. Oregon Health Sciences University, Cell Mol. Biology, Portland OR, USA 2003  
*Molecular Networks for Developing a Heart*
  1. Oregon Health Sciences University, Heart Group Retreat Portland OR, USA 2003  
*Molecular Networks for Developing Heart and Skeletal Muscle*

#### Oral Presentations, Conferences & Meetings

11. Lela, L., **Kioussi, C.**, Stevens, J.F., and Milella, L. 2023  
*Humulus lupulus L.: evaluation of phytochemical profile and activation of bitter taste receptors"*  
Polyphenols World Meeting Malta
11. Head, B., La Du, J., Tanguay, R., **Kioussi, C.**, and Traber, M.G. 2020  
*Vitamin E is necessary to protect neural crest cells in developing zebrafish embryos*  
American Society for Nutrition Meeting, online
10. Alto, S., Brown, K., **Kioussi, C.**, and Filtz, T.M. 2020  
*Molecular Differences between Myofiber types*  
NW Developmental Biology Meeting, online
9. Tran T.Q., Brown, K. and **Kioussi, C.** 2020  
*Molecular Signatures of Mammalian Limb Development*  
NW Developmental Biology Meeting, online
8. Alto, S., Filtz, T.M. and **Kioussi, C.** 2019  
*All muscles are not the same: using RNAseq to identify molecular differences between myofiber types*  
Oregon State University CGRB Retreat, Corvallis OR, USA
7. Head, B., **Kioussi, C.**, Leonard, S.W., Tanguay, R.L. and Traber, M.G. 2018  
*Vitamin E deficiency disrupts molecular pathways of energy metabolism in zebrafish embryos*  
Free Radical Biology and Medicine
6. Singh A.R., Filtz T.M. and **Kioussi, C.** 2017  
*Myogenesis of the Limb*  
Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR
5. Singh A.R., Filtz T.M. and **Kioussi, C.** 2016  
*Decoding the gene regulatory networks of embryonic and fetal myogenesis*  
Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR
4. Chang, C.N., and **Kioussi, C.** 2016  
*Pitx2 is Required for Skeletal Muscle Integrity and Body Homeostasis*  
Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR
3. Bhatt S., and **Kioussi C** 2008  
*The role of Homeobox Transcription Factor Pitx2 during Cardiac Outflow Tract Development*  
Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR
2. Shih H.P., Gross M.K., **Kioussi C** 2007  
*Cranial Muscle Defects of Pitx2 Mutants Result from Specification Defects in the First Branchial Arch*  
NW Developmental Biology Meeting, Friday Harbor WA, USA; Shih HP 1<sup>st</sup> prize Graduate Student Award
1. Shih H.P., Gross M.K., **Kioussi C** 2007

*Cranial Muscle Defects of Pitx2 Mutants Result from Specification Defects in the First Branchial Arch*

Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR;  
Shih HP was the recipient of The Graduate Student Best Presentation Awards

## OpEd Articles

2. Kioussi, C. The Power of Context: How numbers can explain science, May 26, 2021  
*Hill Reporter* <https://hillreporter.com/the-power-of-context-how-numbers-can-explain-science-102081>
1. Kioussi, C. It's Time to Insure Regenerative Medicine, April 12, 2021  
*Visible Magazine* <https://visiblemagazine.com/author/chrissakioussi/>

## Poster Presentations

44. Shing, A.J., Chang, C.N., Ramsey, S.A., Filtz, T.M., Gross, M.K., and **Kioussi, C.** 2019  
*FACS-Seq analysis of Pax3-derived cells identifies myogenic and non-myogenic lineages with specific energy demands*  
Cell Symposium: Transcriptional Regulation in Evolution, Development, and Disease, Chicago IL, USA
43. Shing, A.J., Chang, C.N., Ma, H.Y., Ramsey, S.A., Filtz, T.M., Gross, M.K., **Kioussi, C.** 2018  
*FACS-Seq analysis of Pax3-derived cells identifies non-myogenic lineages in embryonic forelimb*  
Society of Developmental Biology 77<sup>th</sup> Annual Meeting, Portland OR, USA
42. Chang, C.N., Shing, A.J., Stevens J.F., Gross, M.K., and **Kioussi, C.** 2017  
*Pitx2 Promotes Skeletal Muscle Integrity and Energy Homeostasis*  
EMBO meeting BASEL LIFE, Basel Switzerland
41. Chang, C.N., Shing, A.J., Gross, M.K., and **Kioussi, C.** 2016  
*Pitx2 is Required for Postnatal Myofiber Maintenance*  
Molecular Mechanisms Modulating Skeletal Muscle Development and Homeostasis in Health and Disease, Ashilomar, CA, USA; Poster Blitz
40. **Chang, C.N.**, Gross, M.K., Löhr, C.V. and **Kioussi, C.** 2015  
*Pitx2 in Myopathies*  
Oregon State University CGRB Retreat, Corvallis OR, USA
39. **Chang, C.N.** and **Kioussi, C.** 2015  
*Pitx2 in Myopathies*  
Oregon State University CGRB Retreat, Corvallis OR, USA
38. **Shing, A.J.**, Gross, M.K., Filtz, T.M. and **Kioussi, C.** 2014  
*The Chromatin State of Embryonic Myoblasts*  
Cell Symposia: Regulatory RNAs, Berkeley CA, USA
37. **Chang, C.N.**, Gross, M.K., Löhr, C.V. and **Kioussi, C.** 2014  
*Molecular Mechanisms of Congenital Myopathies*  
Oregon State University CGRB Retreat, Corvallis OR, USA
36. **Shing, A.J.**, Gross, M.K., Filtz, T.M. and **Kioussi, C.** 2014  
*The Chromatin State of Myopathy*  
Oregon State University CGRB Retreat, Corvallis OR, USA
32. Kyrlykova, K., Kioussi, C. Leid, M. 2013  
*Ctip2 in Tooth development*

- Oregon State University CGRB Retreat, Corvallis OR, USA
35. Eng, D. and **Kioussi, C.** 2013  
*Alteration of the Hox code in Abdominal Muscles in Pitx2 Mutants*  
NW Developmental Biology Meeting, Friday Harbor, WA, USA
  34. Ma, H.Y. and **Kioussi, C.** 2013  
*Transcriptional Regulation of Cardiac Outflow Tract Remodeling*  
NW Developmental Biology Meeting, Friday Harbor, WA, USA
  33. Eng, D. and **Kioussi, C.** 2012  
*Alteration of Hox code in Abdominal Muscles in Pitx2 Mutants*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  32. Ma, H.Y. and **Kioussi, C.** 2012  
*Transcriptional Regulation of Cardiac Outflow Tract Remodeling*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  31. Eng, D. and **Kioussi, C.** 2011  
*The Hox code of Abdominal Muscles*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  30. Xu, J., Gross, M.K. and **Kioussi, C.** 2011  
*Gene Networks during Limb Myogenesis*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  29. Campbell, A. and **Kioussi, C.** 2011  
*Gene Networks in Higher Muscle Assembly*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  28. Ma, H.Y. and **Kioussi, C.** 2011  
*Regulation of Cardiac Outflow Tract Remodeling*  
Oregon State University CGRB Retreat, Corvallis OR, USA, September
  27. Eng, D. and **Kioussi, C.** 2010  
*Pitx2-dependent Abdominal Wall Defects*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  26. Eng, D. and **Kioussi C** 2010  
*Pitx2-dependent Abdominal Wall Defects*  
Oregon State University CGRB Retreat, Corvallis OR, USA, September
  25. Eng, D. and **Kioussi, C.** 2010  
*Pitx2-dependent Abdominal Wall Defects*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  24. Eng, D. and **Kioussi C** 2010  
*Pitx2-dependent Abdominal Wall Defects*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  23. Xu, J., Gross, M.K. and **Kioussi C** 2010  
*Cell-Type Specific Regulation of Chmp2b mRNA Expression In Embryonic Neural Tube By Lbx1*  
Oregon State University CGRB Retreat, Corvallis OR, USA, September
  22. Campbell, A. and **Kioussi, C.** 2010  
*Regulation of Microtubule Assembly in Muscle Precursors*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  21. Ma, H.Y. and **Kioussi, C.** 2010  
*The Homeodomain Transcription Factor Pitx2 in Cardiac Remodeling*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  20. Ma, H.Y. and **Kioussi, C.** 2010

- The Homeodomain Transcription Factor Pitx2 in Cardiac Remodeling*  
NW Developmental Biology Meeting, Friday Harbor, WA, USA March
19. Campbell, A. and **Kioussi, C.** 2010  
*Regulation of Microtubule Assembly in Muscle Precursors*  
NW Developmental Biology Meeting, Friday Harbor, WA, USA
  18. Ma, H.Y., Hilton T., **Kioussi, C.** 2009  
*Transcription Factors Involved in Cardiac Development*  
Oregon State University CGRB Retreat, Corvallis OR, USA
  17. Xu, J., Madhira R., **Kioussi, C.**, Gross, M.K. 2008  
*Regulation of Chmp2b and NPY Expression in Murine Neural Tube by Lbx1*  
Oregon State University CGRB Retreat, Redmond, OR, USA
  16. Campbell, A., Hilton, T., Shih, H.P., Ishmael, J., Leid, M., Gross, M.K., **Kioussi, C.** 2008  
*Pitx2 during Abaxial Muscle Formation*  
Oregon State University CGRB Retreat, Redmond, OR, USA
  15. Golonzhka, O., **Kioussi, C.** and Leid, M. 2008  
*The role of the Transcription Factor CTIP2 in Tooth Development*  
Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR
  14. Campbell, A., Hilton, T. and **Kioussi, C.** 2008  
*Homeobox genes in Skeletal Muscle Development*  
Oregon State University College of Pharmacy Annual Graduate Research Retreat, Salishan OR
  13. Golonzhka, O., **Kioussi, C.** and Leid, M. 2008  
*The role of the Transcription Factor CTIP2 in Tooth Development*  
NW Developmental Biology Meeting, Friday Harbor WA, USA
  12. Hilton, T., Shih, H.P., Gross M.K., **Kioussi, C.** 2008  
*The role of Homeobox Transcription Factor Pitx2 in Abdominal Wall Closure Development*  
NW Developmental Biology Meeting, Friday Harbor WA, USA
  12. Bhatt, S., **Kioussi, C.** 2008  
*The role of Homeobox Transcription Factor Pitx2 during Cardiac Outflow Tract Development*  
NW Developmental Biology Meeting, Friday Harbor WA, USA
  10. Shih, H.P., Gross, M.K., **Kioussi, C.** 2008  
*Cranial Muscle Defects of Pitx2 Muts Result from Specification Defects in the First Branchial Arch.*  
Gordon Research Conference in Craniofacial Development and Regeneration, Il Giocco, Italy
  9. Bhatt, S., Shih, H.P., Appu, M., **Kioussi C.** 2008  
*Homeobox Transcription Factor Pitx2 Defines Distinct Pharyngeal Mesoderm derived Cardiac Cells.*  
Heart Research Center Retreat, OHSU, Portland, OR, USA
  8. Shih, H.P., Gross, M.K., **Kioussi, C.** 2007  
*Cranial Muscle Defects of Pitx2 Mutants Result from Specification Defects in the First Branchial Arch.*  
Developmental Biology Meeting Cancun Mexico
  7. Appu, M., Shih, H.P., Porter, G. Jr., Gross, M.K., **Kioussi, C.** 2007  
*The Homeobox Pitx2 Regulates Cardiac Outflow Tract Development by Controlling the Anterior/Secondary Heart Field Lineage*  
AAAS, San Francisco, CA; Appu M, Student Admission Award
  6. Appu M., Shih H.P., Porter G. Jr., Gross M.K., **Kioussi C** 2006



- The Homeobox Pitx2 Regulates Cardiac Outflow Tract Development by Controlling the Anterior/Secondary Heart Field Lineage*  
Ninth Annual Heart Research Center Scientist Retreat, Oregon Health Sciences University, Heart Group Retreat Portland OR, USA; Appu M Trainee Award
5. Shih H.P., Loflin, J., Gross M.K., **Kioussi, C.** 2006  
*Roles of Pitx2 During Muscle Development*  
European Cardiovascular Development Meeting, Malaga, Spain
  4. Shih H.P., Loflin, J., Gross M.K., **Kioussi, C.** 2005  
*Roles of Pitx2 During Anterior Heart Field Development*  
Weinstein Cardiovascular Conference, Tucson AZ, USA
  3. Shih H.P., Loflin, J., Gross M.K., **Kioussi, C.** 2005  
*Pitx2 Function During Muscle Development*  
NW Developmental Biology Meeting, Friday Harbor WA, USA
  2. Shih H.P., Loflin, J., Gross M.K., **Kioussi, C.** 2004  
*Roles of Pitx2 During Muscle Development*  
Weinstein Cardiovascular Conference, Leiden, Netherlands
  1. Shih H.P., Loflin, J., Gross M.K., **Kioussi, C.** 2004  
*Pitx2 Function During Muscle Development*  
Oregon State University CGRB Retreat, Newport, OR, USA

## Funding

- NIH/NHLBI R61/R33 (Stevens, Kioussi MPI) \$1,250,000  
*"Targeting ryanodine receptors and oxidative stress in cardiac arrhythmia by xanthohumol derivatives"* Pending
- NIH/NCCH R011AT010271 (Stevens, Bradley, Metz, MPI; Kioussi, co-I) \$1,584,000  
*"Discovery and Biological Signatures of Microbiome-Derived Xanthohumol Metabolites and their Role in Ameliorating Inflammatory Bowel Disease"* 9/2018 - 8/2022
- NIH/NICDHD R15HD088273 (Leid, PI; Kioussi, Col) \$328,500  
*"Role of BCL11B in development of the craniofacial skeleton"* 9/2017- 8/2020
- NIH/NCCIH 3R01AT009168 (Stevens, Gombart, Maier MPI; Kioussi Col) \$1,940,000  
*"Impact of xanthohumol-gut microbiota interactions on mitigating factors for Alzheimer's disease"* 9/2018 - 8/2019
- College of Pharmacy, Oregon State University (Kioussi, PI) \$30,000  
*"Molecular and Cellular Mechanisms in Organogenesis"* 1/2018 - 12/2018
- OSU Small Grants (Kioussi, PI) \$20,000  
*"Gene Networks in Obesity and Diabetes"* 3/2017
- OSU RERF (Kioussi, PI) \$12,000  
*"MyECL Imaging System"* 5/2015
- Oregon Medical Research Foundation (Kioussi, PI) \$40,000  
*"Mapping the Chromatin State During Myogenesis"* 5/2013 - 4/2014
- NIH/NIAMS 1R01AR054406 (Kioussi, PI) \$1,232,173  
*"Role of Pitx2 in Muscle Development and Regeneration"* 7/2007 - 6/2012
- NIH/NIAMS 1R01AR054406 Minority Supplement (Kioussi, PI) \$140,000  
*"Role of Pitx2 in Muscle Development and Regeneration"* 2007 - 6/2012
- OSU College of Pharmacy \$25,000  
*"ApoTome module- Zeiss Axiovision fluorescent microscope"* 3/2011
- OSU College of Pharmacy \$30,000

- *"Ctip1 in Tooth Development"* 3/2011
- OSU GRF \$10,000
- *"Making of a Tooth"* 2/2010
- NIH/NIHLBI R01HL38650 (Williams PI; Kioussi Co-I) \$1,768,750
- *"Flavin-containing monooxygenase in Lung"* 6/2005 - 5/2010
- March of Dimes FY2005-829 (Kioussi, PI) \$247,500
- *"Molecular Mechanisms of Cardiovascular Malformations"* 6/2005 - 5/2008
- AHA, 0550179Z, Grant-In-Aid (Kioussi, PI) \$217,800
- *"Signaling cascades During Cardiovascular Development"* 1/2005 - 12/2007
- OSU- RERF (Kioussi, PI) 12/2007
- Linus Pauling Institute OSU (Kioussi, PI) \$20,000
- *"Roles of Selenoprotein W in Development and Growth"* 3/ 2005 - 2/2006
- Oregon Medical Research Foundation (Kioussi, PI) \$30,000
- *"Fate of Cardiac Neural Crest Cells"* 2004 - 2005
- OSU Initiative College of Science (Kioussi, PI) \$45,000
- *"Investments in equipment to enhance the Teaching and Learning Environment"* 2004
- OSU GRF (Kioussi, PI) \$10,000
- *"Molecular Mechanisms of Cardiac Outflow Tract"* 5/2003
- OSU RERF (Kioussi, PI) \$17,800
- *"Dissecting Microscope"* 2/2003
- P30 ES00210 EHSC Pilot Grant Program (Kioussi, PI) \$20,000
- *"Functional Analysis of Pitx2 and Retinoids during Cardiac Development"* 9/2002 - 8/2004

## Patents

- "Molecular Networks of Congenital Myopathies"- Provisional Patent application 61/101,808; OSU-08-22. Inventors: Chrissa Kioussi
- "Small Molecules to Maintain Pluripotency or Drive Differentiation of Embryonic Stem Cells"- Provisional application OSU 15-42. Inventors: Chrissa Kioussi
- "Mouse Model for Insulin Resistance"- Invention Disclosure, OSU 15-51. Inventors: Chrissa Kioussi
- "Manipulating Cell Fate and Pluripotency" - US Prov. Appl. No 62/437,495. Dec 21, 2016. Inventors: Chrissa Kioussi

## SERVICE

### University

- Member OSU EMF Advisory Committee 2023 - date
- Member, College of Sciences, strategic planning 2022
- Provost Fellow 2020 - 2021
- Member, Faculty Senate Graduate Council 2020 - 2023
- Chair, IACUC 2018 - date
- Chair, Search Committee for Attending Veterinarian 2019
- Member, Search Committee for Interim Attending Veterinarian 2019, 2020
- Member, Search Committee for Animal Program Office coordinator 2018
- Search Advocate, participated in 3 searches 2016 -date

- Member, CGRB Conference Committee 2004, 2015
- Member, AAALAC Advisory Committee 2014 - date
- Member, LARC Advisory Committee 2013 - date
- Co-Chair, MCB Admissions Committee 2009 - 2010, 2004- 2005
- Member, IACUC 2009 - 2018
- Member, Graduate School Review Committee for the Graduate Studies in the Department of Food Sciences and Technology, College of Agricultural Sciences 2008
- Member, Graduate School Review Committee for the Graduate Studies in MS in Agriculture, College of Agricultural Sciences 2008
- Member, Faculty Women Network Steering Committee 2007 - 2010
- Mock Interviewer, Rhodes Scholar Honors College 2007
- Member, CGRB Seminar Committee 2003 - 2005
- Member, Confocal Microscope Oversight Committee 2003 - 2009
- Member, MCB Graduate Recruitment Committee 2003 - 2009
- Member, CQLS Scientific Advisor Board 2016 – date, 2002 - 2006

### Department/College

- Chair Department of Pharmaceutical Sciences 2021 - date
- Vice Chair for Graduate Studies 2020 - 2021
- Chair, Promotion and Tenure Committee 2018 - date
- Member, Graduate Studies Committee, Pharmaceutical Sciences 2017 – date, 2006 -2010
- Chair, Search Committee Department of Pharmaceutical Sciences for Assistant Professor 2016
- Chair, Pharmaceutical Sciences Seminar Series 2014 – 2019
- Co-Chair Pharmaceutical Sciences Seminar Series 2020
- Member, Mentoring Committee Pharmaceutical Sciences 2015 -date
- Member, College Council 2015 - 2016
- Member, Assessment Committee 2012 - 2017
- Member, Senate 2012 - 2014
- Member, Search Committee Vet Medicine
- Faculty position in Dept of Biomedical Sciences 2011
- Co-Chair, Pharmaceutical Sciences Graduate students annual retreat 2010 - 2015
- Member, Graduate Studies Committee 2006 - 2012
- Chair, Graduate Studies Committee, Pharmaceutical Sciences 2008 - 2009
- Chair, Biochemistry and Biophysics Seminar Series 2002 - 2006
- Member, Graduate Council 2007 - 2009
- Member, Search Committee Pharmacy Practice 2006 - 2007
- Member, Search Committee Pharmaceutical Sciences 2004 - 2005
- Member, Search Committee Biochemistry and Biophysics 2003
- Member, Graduate Committee Biochemistry and Biophysics 2002 - 2005

### Profession

- **Membership**
  - American Association for the Advancements of Science 2019 - date
  - American Society for Biochemistry and Molecular Biology 2005 - date
  - American Association of Colleges of Pharmacy 2020 - date
  - Society for Developmental Biology 2002 - date

- American Heart Association 2002 - date
- Hellenic Biochemical Society 1987 - date
- Rho Chi Pharmacy Honor Society 2007 - date
- European Society of Developmental Cardiology 2003 - date
- Hellenic Bioscientific Association in USA 2009 - date
- Hellenic Society for the Neurosciences 1989 - date
- Hellenic Society of Biochemistry and Biophysics 1987 - date
- **Editor**
  - Frontiers in Pharmacology 2022 - date
  - Frontiers in Cell and Developmental Biology 2021 - date
  - Methods in Stem Cells and Tissue Regeneration
  - Methods in Molecular Biology, Springer Protocols, Humana Press 2017, 2020
  - Methods in Odontogenesis
  - Methods in Molecular Biology Springer Protocols, Human Press 2014
- **Editorial Board Member**
  - Scientific Reports 2018 - date
  - Gene 2018 - 2023
  - Investigative Ophthalmology and Visual Science 2008 - 2010
  - International Journal of Embryology 2014 - 2016
  - Journal of Histology 2012 - 2015
  - Stem Cells and Development 2011 - 2013
- **Reviewer Scientific Journals**
  - Anatomical Record
  - Biology Open; Molecular Nutrition and Food Research
  - BMC Developmental Biology
  - Cell Biology and Toxicology
  - Development
  - Developmental Biology
  - Developmental Dynamics
  - Frontiers in Cell and Developmental Biology
  - Frontiers in Pharmacology
  - Gene
  - Investigative Ophthalmology and Visual Science
  - iScience
  - Journal of Molecular Endocrinology
  - Journal of Biological Chemistry
  - Journal of Cell Physiology
  - Journal of Endocrinology
  - Molecular Cell Biology
  - Nature Communications
  - PLoS One
  - Stem Cells and Translational Medicine
- **Reviewer Grant Agencies**
  - Medical research Council UK 2022 - date
  - NIH study section Musculoskeletal, Oral and Skin Sciences MOSSC02 2018 - 2022

- NIH study section Musculoskeletal, Oral and Skin Sciences MOSSD82 2017 - 2018
- NIH study section Special Emphasis panel ZRG1 2009 - 2013; 2017 - 2018
- NIH study section Skeletal Muscle and Exercise Physiology SMEP 2011- 2014
- Italian Ministry of Health, Health and Technology Research 2011 - date
- Institutes of the Czech Academy of Science 2010 - date
- American Heart Association (AHA) 2010 - 2014
- Scientific Committee of the French National Research Agency 2008 - date
- OHSU Heart Research Center Review Consortium 2007 - 2014
- Scientific Committee of the Association Française contre les Myopathies 2006 - date
- American Institute of Biological Sciences, Reston, VA 2006 - 2007
- **Reviewer for Promotion and Tenure**
  - University California San Diego, School of Medicine
  - Oregon State University
  - Washington State University, College of Pharmacy
  - Massachusetts College of Pharmacy and Health Sciences

### Outreach & Community

- Pharmacy as a profession 2022 - date
- Science Day for High School students, College of Pharmacy 2012 - 2017
- History and Science Classes, Ashbrook Independent School 2011 - 2013
- Academy of Lifelong Learning, OSU Alumni Association 2013
- Science Classes, Corvallis Montessori School 2003 - 2006

### HONORS AND AWARDS

- Oregon Medical Research Foundation 2013 - 2014
- March of Dimes, New Investigator Award 2005 - 2008
- Rho Chi Inductee 2006
- American Heart Association, Grant-In-Aid 2005 - 2007
- Oregon Medical Research Foundation 2003 - 2004
- Marie Currie Fellowship 1994 - 1996
- Max-Planck Gesellschaft Stipendium 1992 - 1994
- FEBS Fellowship 1990 - 1991
- Hellenic Pasteur Institute Fellowship 1988 - 1992
- Deutsche Forschungsgemeinschaft Stipendium 1987 - 1988

### PROFESSIONAL TRAINING

- AACP ALFP Fellow 2022 - 2023
- Public Voices Fellowship - The OpEd Project 2021
- Provost Fellow 2020 - 2021
- Building Inclusive Teams 2021
- Optimizing Philanthropic Opportunity - Faculty Workshop 2020
- Graduate of OSU's Leadership Collaborative I, II and III 2017 - 2018
- Graduate of OSU's Search Advocate Program 2016 - date
- Grant Writing Training 2003; 2013

**PERSONAL INFORMATION**

Developmental molecular biologist, mother, spouse, educator, mentor, traveler, avid reader, gardener, cook, international (Greek and USA citizenships), multilingual (Greek - native or bilingual proficiency, English - full professional proficiency, French - professional working proficiency, German - working proficiency), sometime piano player