JEAN-PHILIPPE F. GOURDINE, Ph.D.

I. PRESENT POSITION & ADDRESS

Academic Rank	Visiting Assistant Professor - Lewis and Clark College, Portland, OR & Senior Research Associate - Oregon Health & Science University (OHSU), Portland, OR
Department	Chemistry Department, Lewis and Clark College Department of Medical Informatics and Clinical Epidemiology, OHSU
Professional Address	Lewis & Clark College 615 S Palatine Hill Rd. OLIN 223 Portland, OR 97219 & Oregon Health & Science University, Biomedical Information Communication Center 3181 SW Sam Jackson Park Road, Portland, Oregon 97239
E-Mail addresses	gourdine@ohsu.edu jgourdine@lclark.edu

II. EDUCATION

A. Undergraduate and graduate

1997	Baccalaureate Lycée Baimbridge Pointe-à-Pitre, Guadeloupe, French West Indies (F.W.I)
2000	B.Sc. in Life and Earth Sciences Université des Antilles et de la Guyane (UAG) Pointe-à-Pitre, Guadeloupe, F.W.I
2002	Master in Biology, Genetic and Organic Chemistry Université des Antilles et de la Guyane (UAG), Pointe-à-Pitre, Guadeloupe, F.W.I
2004	Glycoproteomics Internship

University of Westminster (Drs. Pamela Greenwell and Miriam Dwek) & Imperial College (Dr. Judit Nagy)
London, UK

2006 Doctor of Philosophy, Marine Molecular Biology and Biochemistry
Université des Antilles et de la Guyane,
Pointe-à-Pitre, Guadeloupe, F.W.I
Dr. Juliette Smith-Ravin's lab

B. Postgraduate

2006-2009 Postdoctoral Research & Teaching Fellow
Université des Antilles et de la Guyane,
Schœlcher, Martinique, F.W.I &
Université Joseph Fourier/Centre National pour la Recherche Scientifique
Dr. Anne Imberty's lab (CERMAV)
Grenoble, France

2009-2014 Postdoctoral Research Fellow
Dr. Richard Cummings' lab
Emory University
Atlanta, Georgia, USA

2015-2019 Senior Research Associate in Ontology
Dr. Melissa Haendel's lab, OHSU,
Portland Oregon, USA

2019-present Senior Research Associate in Bioinformatics
Dr. Lisa Karstens' lab, OHSU,
Portland Oregon, USA

C. Certification

2016 Data Scientist Toolbox Present Coursera License 7GE7USN6QKY4
2018 Introduction to Genomic Technologies Coursera License 3KDG22NBK3YP
2019 Linux Command Line LinkedIn Learning

III. PROFESSIONAL EXPERIENCE

A. Academic

2002-2006 Teacher Assistant in Genetic
UAG, Pointe-à-Pitre Guadeloupe, F.W.I

2006-2009 Post-Doctoral Research & Teaching Fellow

UAG, Schœlcher, Martinique, F.W.I
Université Joseph Fourier – Centre National de la Recherche Scientifique
Grenoble, France

2009-2014 Post-Doctoral Fellow in Glycobiology, Dr. Rick Cummings' lab
Emory University, Atlanta, GA, USA

2015- Senior Research Associate,
OHSU, Portland, OR USA

2021- Visiting Assistant Professor - Lewis and Clark College,
Portland, OR, USA

B. Administrative

2001-2002 Teacher Assistant
Collège Abymes Bourg/Lycée Baimbridge
Abymes, Guadeloupe, F.W.I

2006-2009 Coordinator of the Bachelor in Life and Earth Science program
Université des Antilles et de la Guyane
Schœlcher, Martinique, F.W.I

2021-present Visiting-Assistant Professor, Lewis and Clark College,
Chemistry Department, Portland OR

C. Other

2014-2015 Sales Representative
Le Meitour Gallery
Portland, Oregon

2015 Patent and Technical Scientific Writer
Kolisch-Hartwell
Portland, Oregon

IV. TEACHING EXPERIENCE

A. Undergraduate & graduate

Direct Biology/Biochemistry teaching:
Developed material, organized and taught

1) Teaching activities for Undergraduate students -

- Molecular anthropology seminar:

50 students per year, Duration: 1h.
2002-2006. University: UAG, Guadeloupe

- Evolutionary biology teaching:
  ~200 students per year, Duration: 2h per week, 1 semester per year.
  2006-2009. University: UAG, Martinique

- Biochemistry teaching (Biomolecules & Enzymology):
  ~200 students per year, Duration: 2h per week, 1 semester.
  2006-2009. University: UAG, Martinique

- Genetic teaching (Chromosomal Basis of Heredity, etc.):
  ~200 students per year, Duration: 2h per week, 1 semester.
  2006-2009. University: UAG, Martinique

- Biochemistry laboratory practices teaching (Biomolecules):
  ~100 students per year, ~15 students per class, Duration: 2h per week, 1 semester.
  2007-2008. University: UAG, Martinique

- Biochemistry laboratory practices teaching (Egg lysozyme purification & activity):
  ~100 students per year, ~15 students per class, Duration: 2h per week, 1 semester.
  2007-2008. University: UAG, Martinique

- Genetic laboratory practices teaching (DNA extraction, Restriction Fragment Length Polymorphism, etc.):
  ~100 students per year, ~15 students per class, Duration: 2h per week, 1 semester.
  2008-2009. University: UAG, Martinique

- Genetic (Polymerase Chain Reaction): ~15 students per class, Duration: 2h per week, 1 semester.
  2008-2009. University: UAG, Martinique

- Introduction to Glycobiology: ~40 students per class, Duration: 1h per class, 2 sessions.
  April 2019. University: Lewis and Clark College, Portland Oregon

- Structural Biochemistry (Biomolecules): ~25 students per class, Duration: 1h per class, 3 sessions per week.
  August-December 2021. University: Lewis and Clark College, Portland Oregon

- Nutrition Biochemistry (Biomolecules of nutrition): ~50 students per class, Duration: 1h30 per class, 2 sessions.
  August-December 2021. University: Lewis and Clark University, Portland Oregon

- Nutrition Biochemistry Practical: ~50 students per class, Duration: 3h per class, 2 sessions.
  August-December 2021. University: Lewis and Clark College, Portland Oregon

- Metabolic Biochemistry (Metabolic pathways): ~25 students per class, Duration: 1h per class, 3 sessions per week.
  January-May 2022. University: Lewis and Clark College, Portland Oregon

- Organic Chemistry Practical (NMR, liquid/solid unknown identification, etc.): ~25 students per class, Duration: 1h per class, 3 sessions per week.
  January-May 2022. University: Lewis and Clark College, Portland Oregon

2) Teaching activities for Graduate students -

- Rigor and reproducibility of science:
  - 5 graduate students, Duration: 1h30 per class, 6h.
    April-May 2019. University: OHSU
  - 20 graduate students, Duration: 1h30
    November 21st 2019. University: OHSU
  - 20 graduate students, Duration: 1h30
    October 12th 2020. University: OHSU

3) Administrative activities related to teaching:

- Interviewed and hired a teaching staff: 5 persons per year.
  2006-2009. University: UAG, Martinique
- Prepared and corrected exams, participated to final jury decision.
  2006-2009. University: UAG, Martinique
  2021-2002. University: Lewis and Clark College, Portland OR

B. Research Students Mentored

2004-2005	Sana Alaloui, UAG, Guadeloupe (Protein Biochemistry)
2006	Béatrice Dendélé, UAG, Guadeloupe (Protein Biochemistry)
2013-2014	Alex Noll, Emory University (Glycobiology)
2014	Astrid Hudson, Emory University (Glycobiology)
2019-now	Alexander Barstad, Oregon Health & Science University (Glycobiology, NMR data analysis, RStudio)

V. SCHOLARSHIP

A. Publications/Creative Works

1. Peer-reviewed articles

2002:
Gourdine JP, Smith-Ravin EJ. Electrophoretic separation of gill proteins of the clam *Codakia orbicularis*. Prep. Biochem. Biotechnol. 2002 Nov;32(4):341-53. DOI:10.1081/PB-120015458
Contribution: I performed the experiments and wrote of the manuscript.
Citations: 7 - Journal impact factor: 1.241

2005:
Gourdine JP, Greenwell P, Smith-Ravin E. Application of recombinant phage display antibody system in study of *Codakia orbicularis* gill proteins. Appl. Biochem. Biotechnol. 2005 Apr;125(1):41-52.
DOI:10.1385/ABAB:125:1:041
Contribution: I performed the experiments and wrote of the manuscript.
Citations: 6 - Journal impact factor: 1.797

2007:
Gourdine JP, Smith-Ravin EJ. Analysis of a cDNA-derived sequence of a novel mannose-binding lectin, codakine, from the tropical clam Codakia orbicularis. Fish Shellfish Immunol. 2007 May;22(5):498-509.
DOI:10.1016/j.fsi.2006.06.013
Contribution: I performed the experiments and wrote of the manuscript.
Citations: 40 - Journal impact factor: 3.185

Gourdine JP, Markiv A, Smith-Ravin J. The three-dimensional structure of codakine and related marine C-type lectins. Fish Shellfish Immunol. 2007 Oct;23(4):831-9.
DOI:10.1016/j.fsi.2007.03.009
Contribution: I performed the experiments and wrote of the manuscript.
Citations: 16 - Journal impact factor: 3.185

2008:
Gourdine JP, Cioci G, Miguet L, Unverzagt C, Silva DV, Varrot A, Gautier C, Smith-Ravin EJ, Imberty A. High affinity interaction between a bivalve C-type lectin and a biantennary complex-type N-glycan revealed by crystallography and microcalorimetry. J Biol Chem. 2008 Oct 31;283(44):30112-20.
DOI:10.1074/jbc.M804353200
Contribution: I performed the biochemistry, crystallization experiments and wrote the main manuscript.
Citations: 40 - Journal impact factor: 4.010

2009:
Stowell SR, Arthur CM, Dias-Baruffi M, Rodrigues LC, **Gourdine JP**, […], Cummings RD. Innate immune lectins kill bacteria expressing blood group antigen. Nat Med. 2010 Mar;16(3):295-301.
DOI:10.1038/nm.2103
Contribution: I performed part of the protein expression experiments and bactericidal assays and reviewed the manuscript.
Citations: 252 - Journal impact factor: 32.621

2014:
Stowell SR, Arthur CM, McBride R, Berger O, Razi N, Heimburg-Molinaro J, Rodrigues LC, **Gourdine JP**, […], Cummings RD. Microbial glycan microarrays define key features of host-microbial interactions. Nat. Chem. Biol. 2014 Jun;10(6):470-6.
DOI:10.1038/nchembio.1525
Contribution: I performed part of the protein expression experiments and bactericidal assays and reviewed the manuscript.
Citations: 136 - Journal impact factor: 13.843

2015:
Hudson AE, Gollnick C, **Gourdine JP**, Prinz AA. Degradation of extracellular chondroitin sulfate delays recovery of network activity after perturbation. J Neurophysiol. 2015 Aug;114(2):1346-52.
DOI:10.1152/jn.00455.2015
Contribution: I performed part of the glycobiology assays and reviewed the manuscript.
Citations: 5 - Journal impact factor: 2.5

2016:
Noll AJ, **Gourdine JP**, Yu Y, Lasanajak Y, Smith DF, Cummings RD. Galectins are human milk glycan receptors. Glycobiology. 2016 Jun;26(6):655-69.
DOI:10.1093/glycob/cww002
Contribution: I performed part of the protein expression, western-blot experiments and reviewed the manuscript.
Citations: 30 - Journal impact factor: 3.664

Gourdine JP, Metz T, Koeller D, Brush M, Haendel MA. (2016). Building a Molecular Glyco-phenotype Ontology to Decipher Undiagnosed Diseases. In ICBO/BioCreative. http://ceur-ws.org/Vol-1747/IP06_ICBO2016.pdf
Contribution: I did curation of molecular phenotypes to HPO and wrote the manuscript.
Citations: N/A - Journal impact factor: N/A

McMurry JA, Köhler S, Washington NL, Balhoff JP, Borromeo C, Brush M, Carbon S, Conlin T, Dunn N, Engelstad M, Foster E, **Gourdine JP** […], Haendel MA. Navigating the Phenotype Frontier: The Monarch Initiative. Genetics. 2016 Aug;203(4):1491-5.

DOI: 10.1534/genetics.116.188870
Contribution: I did curation of molecular phenotypes to HPO and reviewed the manuscript.
Citations: 41 - Journal impact factor: 4.075

2017:
Mungall CJ, McMurry JA, Köhler S, Balhoff JP, Borromeo C, Brush M, Carbon S, Conlin T, Dunn N, Engelstad M, Foster E, **Gourdine JP**, […], Haendel MA. The Monarch Initiative: an integrative data and analytic platform connecting phenotypes to genotypes across species. Nucleic Acids Res. 2017 Jan 4;45(D1):D712-D722.
DOI: 10.1093/nar/gkw1128
Contribution: I performed curation of molecular phenotypes to HPO and reviewed the manuscript.
Citations: 145 - Journal impact factor: 11.561

2019:
Zhang XA, Yates A, Vasilevsky N, **Gourdine JP**, […], Robinson PN. Semantic integration of clinical laboratory tests from electronic health records for deep phenotyping and biomarker discovery. Npj Digital Medicine, 2019. 2(1), 32.
DOI: 10.1038/s41746-019-0110-4
Contribution: I performed curation of molecular phenotypes to HPO and reviewed the manuscript.
Citations: 13 - Journal impact factor: N/A

Kohler S, Øien NC, Buske O J, Groza T, Jacobsen J O B, McNamara C, Vasilevsky N, Carmody LC, **Gourdine JP**, Gargano M, McMurryJA, Danis D, Mungall CJ, Smedley D, Haendel M, & Robinson P N. Encoding clinical data with the human phenotype ontology for computational differential diagnostics. Current Protocols in Human Genetics. 2019. 103, e92.
DOI: 10.1002/cphg.92
Contribution: I reviewed the protocol HPO section and the manuscript.
Citations: 8 - Journal impact factor: N/A

Shefchek, KA, Harris, NL, Gargano, M, Matentzoglu, N, Unni, D, Brush, M, Keith, D, Conlin, T, Vasilevsky, N, Zhang, XA, Balhoff, JP, Babb, L, Bello, SM, Blau, H, Bradford, Y, Carbon, S, Carmody, L, Chan, LE, Cipriani, V, Cuzick, A, Rocca, MD, Dunn, N, Essaid, S, Fey, P, Grove, C, **Gourdine, J-P**, […], Osumi-Sutherland, D, 2020 The Monarch Initiative in 2019: an integrative data and analytic platform connecting phenotypes to genotypes across species. Nucleic Acids Res. 48, D704–D715. 2019.
DOI: 10.1093/nar/gkz997
Contribution: I reviewed the manuscript related to HPO terms.
Citations: 21- Journal impact factor: 11.147

Gourdine JP, Brush MH, Vasilevsky NA, Shefchek K, Köhler S, Matentzoglu N, Munoz-Torres MC, McMurry JA, Zhang XA, Robinson PN, Haendel MA. Representing glycophenotypes: semantic unification of glycobiology resources for disease discovery. Database (Oxford). baz114. 2019.

DOI: 10.1093/database/baz114
Contribution: I wrote the article, designed the experiments and drew the figures.
Citations: N/A- Journal impact factor: 3.978

2020:
Gourdine JP, Keita S, Gourdine JL, Anselin A. Ancient Egyptian Genomes from Northern Egypt: Further Discussion, ANKH Journal of Egyptology and African Civilizations, n°28/29, 2019-2020.
Contribution: I performed Pop-Affiliator and mtDNA meta-analysis, and wrote the manuscript.
Citations: 2 - Journal impact factor: N/A

2021:
Brubaker L, **Gourdine JF**, Siddiqui NY, Holland A, Halverson T, Limeria R, Pride D, Ackerman L, Forster CS, Jacobs KM, Thomas-White KJ, Putonti C, Dong Q, Weinstein M, Lukacz ES, Karstens L, Wolfe AJ. Forming Consensus To Advance Urobiome Research. mSystems. 2021 Jul 20:e0137120. doi: 10.1128/mSystems.01371-20. Epub ahead of print. PMID: 34282932.
Contribution: I created the metadata standard table and reviewed the manuscript.
Citations:6 - Journal impact factor: 6.496

2. Peer-reviewed abstracts

2003:
Gourdine JP, Greenwell P., Smith-Ravin EJ. Phage Display Antibody Against Gill Proteins of the Tropical Clam. Mol. Cell Proteomics, 2003 Sep;2(9):675-1005.
International Union of Biochemistry & Molecular Biology (IUBMB) and the Human Proteome Organization (HUPO), Montreal (October 8–11) 2003
https://www.mcponline.org/content/mcprot/2/9/569.full.pdf

2005:
Gourdine JP, Smith-Ravin EJ. The cDNA-derived Amino Acid Sequence of a Major Protein from the Tropical Clam *Codakia orbicularis*. Jun.7-12, 2005 Newfoundland, Canada
https://static1.squarespace.com/static/567965f669a91ad609246f6b/t/5bb7aa1d652dea0a4906677f/1538763297130/programFINALmay2005.pdf

2006: Gourdine JP, Smith-Ravin EJ. Marine Biotechnology in the Caribbean: Study of Codakia orbicularis gill Proteins, Caribbean Academy of Science General Meeting, 2006. http://www.caswi.org/CAS2006-MarineBiol.pdf?attredirects=0

2009:
Cummings, RD., Ju, T, Wang, Y, **Gourdine JP**, Mi, R, Stowell, S, Smith D, Sun Q, Aryal R, Wang, A. (2009). O-Glycan Functions in Development and Cancer. Glycoconjugate Journal, 26(7), 133–133. https://link.springer.com/content/pdf/10.1007%2Fs10719-009-9256-7.pdf

2010:
Gourdine JP, Arthur C, Stowell S, Cummings RD. Galectin-8 Induces PS Exposure on HL60 Cells through CD45 Interaction. Glycobiology, 2010, 20:1463.
https://academic.oup.com/glycob/article-pdf/20/11/1432/5846042/cwq141.pdf

Stowell S, Arthur C, Dias-Baruffi M, Rodrigues L, **Gourdine JP**, […], Cummings RD. Galectins Recognize and Kill Bacteria Expressing Host-Like Antigens. Glycobiology, 2010, 20:1463.
https://academic.oup.com/glycob/article-pdf/20/11/1432/5846042/cwq141.pdf

2012:
Gourdine JP, Stowell S, Cummings RD. CD45 is a Major Receptor Involved in Galectin-8 Signaling of *Preaparesis* in HL-60 cells. FASEB Journal, 2012, 26. https://www.fasebj.org/doi/abs/10.1096/fasebj.26.1_supplement.795.1

2016:
Gourdine JP, Metz T, Koeller D, Brush MH, Haendel M. Building a Molecular Glycophenotype Ontology to Decipher Undiagnosed Diseases, CEUR Workshop Proceedings, Vol-1747, 2016. http://ceur-ws.org/Vol-1747/IP06_ICBO2016.pdf

2018:
Gourdine JP, Vasilevsky N, Winfree L, Brush M, Haendel M. Expanding the Molecular Glycophenotype Ontology to include model organisms and acquired diseases, in International Conference on Biomedical Ontology (ICBO 2018), 2018.
http://icbo2018.cgrb.oregonstate.edu/abstracts?page=1

2022:
Karstens L, **Gourdine JP**, Barstard A. Dahl E. Sharing is Caring: Data Availability in Urobiome Research. The American Urogynecologic Society (**AUGS**), Forthcoming meeting - June 2022, Austin Texas. (*Accepted*)

3. Non-Peer-reviewed articles / Preprints

b. in English

2018:
Gourdine JP, Keita S, Gourdine JL, Anselin A. Ancient Egyptian Genomes from Northern Egypt: Further Discussion. OSF Preprints. 2018.
DOI: 10.31219/osf.io/ecwf3
Contribution: I performed Pop-Affiliator and mtDNA meta-analysis, and wrote the manuscript.
Downloads: 3007 to this date, Citation:2

2019:
Gourdine JP, Brush MH, Vasilevsky NA, Shefchek K, Köhler S, Matentzoglu N, Munoz-Torres MC, McMurry JA, Zhang XA, Robinson PN, Haendel MA. Zenodo. 2019
Contribution: I designed the experiment and wrote the manuscript.
DOI: 10.5281/zenodo.3234097
Downloads: 124 to this date

c. in French

2006:
Gourdine JP. Contribution de la biologie moléculaire du gène à l'étude du passé de l'humanité. Cas de l'Afrique ancienne et moderne. Cahiers Caribéens d'Égyptologie, 2006, 9 : 5-19. http://www.culturediff.org/ccde9.htm

2007:
Gourdine JP. Ngok Lituba IV. Les Basaa du Cameroun et l'Afrique de l'Est, perspectives d'étude génétique, Caribéens d'Égyptologie, 2007, 11: 125-128. http://www.culturediff.org/ccde11.htm

2010:
Gourdine JP. Vers l'Égyptologie moléculaire? Note sur la paléopathologie dans l'Égypte Antique. Cahiers Caribéens d'Égyptologie, 2010, 13-14: 133-136. http://www.culturediff.org/ccde13-14.htm

2013:
Gourdine JP. Six momies royales en quête d'ancêtres. Évaluation des affinités génétiques de six momies royales Amarniennes par huit paires de Short Tandem Repeats (STR) avec le logiciel Pop Affiliator. Cahiers Caribéens d'Égyptologie, 2013, 17:97-112. http://www.culturediff.org/ccde23.htm

2014:
Gourdine JP. Le futur de l'Égyptologie réside-t-il dans l'étude de l'ADN ancien? Revue de lecture d'article en Égyptologie moléculaire, ANKH 23/24: 178-183 www.ankhonline.com/ankh_23-24_sommaire.pdf

2018:
Gourdine JP. Six momies et deux corrigenda. Cahiers Caribéens d'égyptologie. Cahiers Caribéens 2018, 23. http://www.culturediff.org/english/ccde23.htm

4. Posters and presentations

Oral Presentations:

2005:
Gourdine JP, Smith-Ravin EJ. The cDNA-derived Amino Acid Sequence of a Major Protein from the Tropical Clam *Codakia orbicularis*. Jun.7-12, 2005 Newfoundland, Canada
https://static1.squarespace.com/static/567965f669a91ad609246f6b/t/5bb7aa1d652dea0a4906677f/1538763297130/programFINALmay2005.pdf

2006:
Gourdine JP, Smith-Ravin EJ. Marine Biotechnology in the Caribbean: Study *of Codakia orbicularis* gill proteins, Caribbean Academy of Science General Meeting, 2006. https://www.caswi.org/cas_home/cas-general-meetings/15th-cas-general-meeting-guadeloupe-2006

2008:
Gourdine JP, Cioci G, Miguet L, Unverzagt C, Varón Silva D, Varrot A, Gautier C, Smith-Ravin EJ, and Imberty A. Characterization of codakine, a C-type lectin from gills of the bacteria-symbiotic clam *Codakia orbicularis*. Interlec 23rd, Edinburgh University of Edinburgh, Scotland, July 11th – 16th 2008

2010: Gourdine JP, Arthur C, Stowell S, Cummings RD. Galectin-8 Induces PS Exposure on HL60 Cells through CD45 Interaction. Glycobiology, 2010, 20:1463
https://academic.oup.com/glycob/article-pdf/20/11/1432/5846042/cwq141.pdf

2016:
Gourdine JP, Metz T, Koeller D, Brush MH, Haendel M. Using glycobiology in the evaluation of undiagnosed diseases. 2016, Biocuration 2016, Geneva, Switzerland, http://isb-sib.ch/events/biocuration2016/oral-presentations

2017:
Gourdine JP, Metz T, Koeller D, Brush MH, Haendel M. A semantic approach to Molecular Glycophenotype classification for disease diagnostics, Annual Meeting of The Society For Glycobiology November 5–8, 2017 Portland, Oregon, USA
https://academic.oup.com/glycob/article/27/12/1171/4565573

Posters:

2003:
Gourdine JP, Greenwell P., Smith-Ravin EJ. Phage Display Antibody Against Gill Proteins of the Tropical Clam. Mol. Cell Proteomics, 2003 Sep;2(9):675-1005.
International Union of Biochemistry & Molecular Biology (IUBMB) and the Human Proteome Organization (HUPO), Montreal (October 8–11) 2003
https://www.mcponline.org/article/S1535-9476(20)34795-2/fulltext

2009:
Cummings, RD, Ju T, Wang, Y, **Gourdine JP**, Mi, R, Stowell, S, Smith D, Sun Q, Aryal R, Wang, A. (2009). O-Glycan Functions in Development and Cancer. Glycoconjugate Journal, 26(7), 133–133. https://link.springer.com/content/pdf/10.1007%2Fs10719-009-9256-7.pdf

2010: Gourdine JP, Arthur C, Stowell S, Cummings RD. Galectin-8 Induces PS Exposure on HL60 Cells through CD45 Interaction. Glycobiology, 2010, 20:1463
https://academic.oup.com/glycob/article-pdf/20/11/1432/5846042/cwq141.pdf

Stowell S, Arthur C, Dias-Baruffi M, Rodrigues L, **Gourdine JP**, […], Cummings RD. Galectins Recognize and Kill Bacteria Expressing Host-Like Antigens. Glycobiology, 2010, 20:1463.
https://academic.oup.com/glycob/article-pdf/20/11/1432/5846042/cwq141.pdf

2012:
Gourdine JP, Stowell S, Cummings RD. CD45 is a Major Receptor Involved in Galectin-8 Signaling of Preaparesis in HL-60 cells. FASEB Journal, 2012, 26. https://www.fasebj.org/doi/abs/10.1096/fasebj.26.1_supplement.795.1

2016:
Gourdine JP, Metz T, Koeller D, Brush MH, Haendel M. Building a Molecular Glyco-phenotype Ontology to Decipher Undiagnosed Diseases, CEUR Workshop Proceedings, Vol-1747, 2016. http://ceur-ws.org/Vol-1747/IP06_ICBO2016.pdf

2017:
Gourdine JP, Metz T, Koeller D, Brush MH, Haendel M. A semantic approach to Molecular Glycophenotype classification for disease diagnostics, Annual Meeting of The Society For Glycobiology November 5–8, 2017 Portland, Oregon, USA http://glycobiology.org/Meetings/Past-Meetings/2017-SFG-Abstracts.aspx

2018:
Gourdine JP, Vasilevsky N, Winfree L, Brush M, Haendel M., Expanding the Molecular Glycophenotype Ontology to include model organisms and acquired diseases, International Conference on Biomedical Ontology (ICBO), Corvallis, Oregon August 2018. http://icbo2018.cgrb.oregonstate.edu/abstracts?page=1

2022:
Karstens L, **Gourdine JP**, Barstard A. Dahl E. Sharing is Caring: Data Availability in Urobiome Research. The American Urogynecologic Society (**AUGS**), Forthcoming meeting - June 2022, Austin Texas. (*Accepted*)

5. Invited presentations

2018:
Gourdine JP. Identification of intra-African migrations, a genetic and molecular biology approach *(L'apport de la génétique et de la biologie moléculaire à l'identification des migrations continentales),* Université Cheikh Anta Diop, Dakar Sénégal, February 2016.

2020:
Gourdine JP. Glycobiology and Ontology - Warren Conference 2020, Grenoble, France July 2020 - *Canceled because of COVID-19*

6. Informatic contributions

Biocuration and Ontology

- Human Phenotype Ontology https://hpo.jax.org/app/
- Glygen https://www.glygen.org/
- Molecular Glycophenotype Ontology https://github.com/monarch-initiative/glyco-phenotype-ontology

B. Grants, Honors and awards for scholarship

2002	Regional Council of Guadeloupe Research Grant, F.W.I
2006	Award for the most prolific Ph.D. candidate in Science, UAG
2006	Travel Grant from the French National Center for Scientific Research and Ministry of Research
2010	Travel Award from the Glycobiology Society
2012	Travel Award from the American Society for Biochemistry & Molecular Biology
2016	Travel Award from the International Society for Biocuration
2016	Best poster presentation, International Conference on Biomedical Ontology
2018	Best poster presentation, International Conference on Biomedical Ontology
2019	Diversity supplement in Data Science, NIH (2 years), National Center for Advancing Translational Sciences (Parent Grant Number 3UL1TR002369-03S1)
2021	Circle of Giving, OHSU, "Better Sweet Buds in the Bladder" https://www.ohsu.edu/womens-health/circle-giving-invests-125k-overactive-bladder-research

C. Service

1. Membership in Professional Societies

2009-2021	Society for Glycobiology
2009-2014	American Society for Biochemistry and Molecular Biology
2016-2019	International Society for Biocuration

2019-2021 American Research Center in Egypt
2021-2022 American Society for Microbiology

2. Library

2016-2018 Service desk at OHSU Library
2019 Data practices interviews at OHSU Library

3. Reviewer

2006-present Cahiers Caribéens d'Égyptologie/Les Ankhou (Editor, Board member)
2009 Glycobiology
2010 Comparative Biochemistry and Physiology
2011 The Protein Journal
2019 The Protein Journal
2020 Glycobiology
2020 ANKH Journal of Egyptology and African Civilizations
2021 Molecules

VI. MISCELLANEOUS

A. Languages

Mother tongues: French & Guadeloupean creole (ISO 639-3 gcf)
Spanish (basic)

B. Informatic

Microsoft Office, Google docs, GitHub, Protégé, Web ontology language (owl), RStudio, Jupyter Notebooks, Python (basic), MarkDown, Bash scripting (basic)

C. Bioinformatics

Bacterial 16s amplicon sequencing analysis (Phyloseq, Dada2)
NMR metabolomics package on RStudio (ASICS, rNMR1D)
