

Hugues Berry

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Detailed CV+ full publication list available at <https://hberry.gitlabpages.inria.fr/mywebpage/Images/shortCVHB.pdf>

Career summary

I am heading since march 2025 the newly created Office for AI & Digital Sciences of [Inserm](#), the French National Institute of Health and Medical Research. The goal of this Office is to set Inserm's strategy related to AI & Digital Sciences for biomedical research, and assist its labs in the development or application of these approaches in their research. Since 2023, I have also been heading [AlstroSight](#), a joint research team between [Inria](#), the French National Institute for Research in Digital Science and Technology, Hospices Civils de Lyon (Lyon University Hospitals), Université Claude Bernard Lyon 1 and Theranexus, a biotech Company. Our overall goal is to develop innovative digital methods for neuropharmacology, the search of new drug candidates to treat brain diseases. I am also involved in the editorial board of the journal PLoS Computational Biology since 2018, currently serving as section editor for neuroscience. From 2018 to 2023, I have served as deputy scientific director of Inria, in charge of the research in digital biology and health. I have been a tenured researcher with Inria from 2004 to 2025, since which I have a double affiliation, Inria & Inserm. Research-wise, I am a computational cell biologist, with a focus on mathematical and computer models of the spatiotemporal dynamics of biochemical reactions involved in cell signaling, in particular in brain cells. I have authored [close to 100 scientific publications](#) in venues ranging from computational or experimental biology to computer science and applied mathematics.

Education

2008 – “Habilitation à diriger les recherches” in Computer Science, Orsay University, France

1999 – Ph.D. in Biochemistry, Université de Technologie de Compiègne, France

1994 – Engineering degree in Biotechnology, Université de Technologie de Compiègne, France

Major organizational activities

- Head of Inserm's Office for AI & Digital Sciences / “Pôle IA & Numérique”, 2025-
- Head of Inria project-team [AlstroSight](#), 2023-
- Deputy scientific director of Inria for digital biology and health, 2018-2023
- Associate editor, 2018-2024 then Section Editor (Neuroscience) of *PLoS Computational Biology*, 2024-
- Elaboration of the [PEPR “Digital Health”](#), a French national program to fund research in digital health until 2030, 2021-2023
- Vice-chair of Inria's Evaluation Committee (vice-pdt Commission d'Evaluation), 2016-2018
- Chair of the search committee for junior research scientists (pdt jury CR2) of Inria Grenoble, 2014-2016.
- *Main committee memberships* :
 - Appointed member of INSERM's specialized committee for health technologies ([CSS7](#)), 2022-2025
 - Comité d'Expertise et Scientifique pour les Recherches, les Etudes et les Evaluations dans le domaine de la Santé ([CESREES](#)) of the French Health Data Hub, 2020-2025

A selection of 8 publications

From 61 articles in journals, 25 in international peer-reviewed conferences, 10 book chapters and 2 books.

- Dembitskaya Y, Perez S, Piette C, [Berry H](#), Magistretti PJ & Venance L (2022). *Proceedings of the National Academy of Sciences of the U.S.A.*, 119(47):e2212004119.
- De Pitta M & [Berry H](#), editors (2019) *Computational Glioscience*, Springer, 505 p
- Cui Y, Yang Y, Ni Z, Dong Y, Cai G, Foncelle A, Ma S, Sang K, Tang S, Li Y, Shen Y, [Berry H](#), Wu S & Hu H (2018) *Nature*, 554:323–327
- Cui Y, Prokin I, Xu H, Delord B, Genet S, Venance L & [Berry H](#) (2016) *eLife*, 5:e13185
- [Berry H](#), Lepoutre T & Mateos González Á (2016) *Acta Applicandae Mathematicae*, 145:15–45
- Coquel A, Jacob J, Primet M, Demarez A, Dimiccoli M, Julou T, Moisan L, Lindner A & [Berry H](#) (2013) *PLoS Computational Biology*, 9(4):e1003038
- Hashmi A, [Berry H](#), Temam O & Lipasti M (2011) in *38th ACM/IEEE International Symposium on Computer Architecture, ISCA*, San Jose, CA, USA
- [Berry H](#) (2002) *Biophysical Journal*, 83:1891–61901