

Hugues Berry

Directeur de Recherche Inria (Research full professor, with tenure)

<http://www.inrialpes.fr/Berry/>

Since 2018, Hugues Berry has been serving as deputy scientific director of Inria, the French national Institute for research in digital science and technology. As such, he is in charge of Inria's research in digital biology and digital health, implementing Inria's strategy vis-à-vis its academic and industrial collaborators on the application of numerical sciences (applied mathematics, computer science, artificial intelligence) to biology and health. He was vice-chair of Inria's Evaluation Committee from 2016 to 2018 and co-supervised Inria's taskforce against covid-19 (2020-2021). He is or has been a member of a number of committees, including: the Scientific and Expertise Committee for Research, Studies and Evaluations in the field of Health (CESREES, 2020-), the Biomedical and Public Health Research Committee (CRBSP) of Paris (2019-2021) and Lyon (2021-) university hospitals, or the scientific board of the ITMO "Technologies for Health". His research consists in the application of mathematical and computer models to cell biology and neuroscience. He focuses on the spatio-temporal dynamics of intracellular biochemical reaction networks involved in cell signaling, including the diffusion movements of proteins in complex intracellular media and the spatio-temporal organization of the signaling networks implicated in synaptic plasticity, astrocyte signaling as well as neuron-astrocyte interactions. Hugues Berry has published more than 80 articles, mostly in journals for experimental and computational biology or neuroscience but also in computer science and applied mathematics.