

Curriculum vitae with track record



PERSONAL INFORMATION

Family name, First name:	Bjørkli, Christiana		
Date of birth:	04.05.1993	Gender:	Female
Nationality:	Norwegian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	https://orcid.org/0000-0002-1189-8587 https://loop.frontiersin.org/people/992641/overview https://www.researchgate.net/profile/Christiana-Bjorkli-2 https://scholar.google.com/citations?hl=no&user=a5Pd_IAAAAJ https://app.cristin.no/persons/show.jsf?id=1064466		
URL for personal website:	https://www.ntnu.no/ansatte/christiana.bjorkli https://twitter.com/Theinsideoutof1 https://theinsideoutofad.wordpress.com		

EDUCATION

	Name of faculty/department, name of university/institution, country
2022	Ph.D. in Medicine, Department of Neuromedicine and Movement Science, The Norwegian University of Science and Technology (NTNU), Norway
2018	Master in Neuroscience, Kavli Institute for Systems Neuroscience, NTNU, Norway

POSITIONS (academic, business, industry, public sector, national or international organisations)

	Job title/name of employer/country
2023-current	Postdoctoral fellow, Sandvig Group for Integrative Neuroscience, Department of Neuromedicine and Movement Science, NTNU
2022-2023	Project coordinator, Kavli Institute for Systems Neuroscience, Norway
2019-2023	Ph.D. candidate, Sandvig Group for Integrative Neuroscience, Department of Neuromedicine and Movement Science, NTNU
2018-2019	Laboratory technician, Whitlock lab Kavli Institute for Systems Neuroscience, Norway
2018-2019	Research assistant, Doeller lab Kavli Institute for Systems Neuroscience, Norway
2017-2018	Animal technician, Kavli Institute for Systems Neuroscience, Norway

PROJECT MANAGEMENT EXPERIENCE

Projects funded by Research Council of Norway, international research programmes, private or public organisations

	Project and role, funding from
2023-current	Applicant and manager, project “Bridging preclinical and clinical research to identify potentiating factors for developing dementia”, Owner: Department of Neuromedicine and Movement Science (Christiana Bjørkli), Funder: The Joint Research Committee (grant number 2023/34152)
2023-current	Project partner, “Repurposing drugs for the treatment of Alzheimer’s disease (PROMISE) Repurposing drugs for the treatment of Alzheimer’s disease (PROMISE)”, Owner: Department of Neuromedicine and Movement Science (Ioanna Sandvig), Funder: Faculty of Medicine and Health Sciences, NTNU
2022-2023	Coordinator, project “ Centre for Excellence – Centre for Neural Computation ”, Owner: Kavli Institute for Systems Neuroscience (Edvard and May-Britt Moser), Funder: The Research Council of Norway
2022-2023	Coordinator, project “ The Norwegian Brain Initiative – NORBRAIN ”, Owner: Kavli Institute for Systems Neuroscience (Edvard Moser), Funder: The Research Council of Norway
2022-2023	Coordinator, project “ K.G. Jebsen Centre for Alzheimer’s Disease (JCA) ”, Owner: Kavli Institute for Systems Neuroscience (Edvard and May-Britt Moser), Funder: The K.G. Jebsen Foundation
2022-2023	Coordinator, project “ The Norwegian Research School in Neuroscience (NRSN) ”, Owner: Kavli Institute for Systems Neuroscience (Edvard and May-Britt Moser/Menno Witter), Funding: pay per student model
2019-2021	Applicant and manager, project “Linking molecular biomarkers and behavior in animal models and humans with Alzheimer’s disease”, Owner: Department of Neuromedicine and Movement Science (Christiana Bjørkli), Funder: The Joint Research Committee (grant number 2019/26157)
2018-2021	Applicant and manager, project “Elucidating the cellular and circuit-level neuropathological mechanisms of Alzheimer’s disease”, Owner: Department of Neuromedicine and Movement Science (Christiana Bjørkli), Funder: The Liaison Committee for Education, Research, and Innovation in Central Norway (grant number 2018/42794)

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

	No. of	Master’s students/ Ph.D./Postdocs	Name of faculty/department/centre, name of university/institution/country
2023-current	1	Ph.D.	Institute for Neuromedicine and Movement Science, NTNU, Norway
2020-2021	2	Master’s students	Institute for Neuromedicine and Movement Science, NTNU, Norway

TEACHING ACTIVITIES

	Teaching position – topic, name of university/institution/country
2023-current	Cellular and Networks Neuroscience (NEVR8009), NTNU (examiner)
2020-current	Cellular and Systems Neuroscience course (NEVR3001), NTNU (lecturer and examiner)
2020-2020	Sensory and Motor Neuroscience course (NEVR3002), NTNU: fall 2020 (examiner)

ORGANISATION OF MEETINGS

	Role and name of event/number of participants/country
2019-2021	Member of the planning committee of the PhD Norwegian Research School in Neuroscience (NRSN) annual conference

INSTITUTIONAL RESPONSIBILITIES

Member of a committee/graduate student advisor etc.

	Name of university/institution/country
2019-2021	The Norwegian Research School in Neuroscience (NRSN) board member
2023	Internal examiner Master's thesis defense "Adapting Advanced Cellular Models to Patient-Derived Cells for Studying Neurodegenerative Disease" by Marthe Bendiksvoll Grønlie

COMMISSIONS OF TRUST IN ACADEMIC, PUBLIC OR PRIVATE ORGANISATIONS

Scientific advisory board/review board/review panel member/editorial board/scientific advisory board/reviewer/scientific evaluation/etc.

	Name of university/institution/country – and role
2021 - current	Associate Editor, Journal of Alzheimer's disease
2022 - current	Reviewer, Scientific Reports Journal
2022 - current	Reviewer, Journal of Visualized Experiments (JoVE)
2023 - current	Editor, Journal of Translational Medicine

Other commissions of trust - in business, organisations or public life

	Name of board/body/country – and role
2022 - current	Patent pending approval (No. PCT/EP2022/076583), PCT – The International Patent System

MEMBERSHIPS OF ACADEMIES / SCIENTIFIC SOCIETIES / NETWORKS

	Name of academies, scientific societies, networks
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2023-current	COST - European Cooperation in Science & Technology, CA21139 - 3Rs concepts to improve the quality of biomedical science (IMPROVE)
2023-current	EU Joint Programme – Neurodegenerative Disease Research, Expert Working Group on “The Impact of COVID-19 on Neurodegenerative Disease Research”
2019-current	Federation for European Neuroscience Societies (FENS), Society for Neuroscience (SfN), Norwegian Research School in Neuroscience (NRSN), Norwegian Neuroscience Society (NNS)

MAJOR COLLABORATIONS

Name of university/ institution/ faculty/ department/ centre, company/ governmental or non-governmental organisation	Topic
NTNU, The Kavli Institute for Systems Neuroscience	Anatomical progression and initiation of Alzheimer’s disease; Animal models of Alzheimer’s disease
Sunnaas sykehus HF	Amnesia after traumatic brain injury

Track record

Fellowships, awards and prizes

- Awarded the Dimitris N. Chorafas Foundation prize for doctoral students/doctoral graduates with above-average research work.

[All dissemination and communication activities](#)

Articles

- Bjorkli C, Sandvig A, Sandvig I. [Bridging the Gap Between Fluid Biomarkers for Alzheimer’s Disease, Model Systems, and Patients](#). Front Aging Neurosci. 2020;12(272).
- Bjorkli C, Louet C, Flo TH, Hemler M, Sandvig A, Sandvig I. [In Vivo Microdialysis in Mice Captures Changes in Alzheimer's Disease Cerebrospinal Fluid Biomarkers Consistent with Developing Pathology](#). J Alzheimers Dis. 2021;84(4):1781-94.
- Bjorkli C, Hemler M, Julian JB, Sandvig A, & Sandvig I. [Combined Targeting of Pathways Regulating Synaptic Formation and Autophagy Attenuates Alzheimer’s Disease Pathology in Mice](#). Front. pharmacol. 2022; 13:913971.
- Kobro-Flatmoen A, Battistin C, Raveendran RN, Bjorkli C, Skender B, Kentros C, et al. [Lowering levels of reelin in entorhinal cortex layer II-neurons results in lowered levels of intracellular amyloid-β](#). Brain Commun. 2023; 5: fcad115.

Preprints

- Bjorkli C, Ebbesen NC, Julian JB, Witter MP, Weir JS, Hanssen KS, Sandvig A, Sandvig I. [Manipulation of Neuronal Activity in the Entorhinal-Hippocampal Circuit Affects Intraneuronal Amyloid-β Levels](#). bioRxiv. 2022.07.05.498797.
- Schiro LE, Bauer US, Bjorkli C, Sandvig A, Sandvig I. [In vitro survival and neurogenic potential of central canal-derived neural stem cells depend on spinal cord injury type](#). bioRxiv. 2024.01.27.577563.
- Schiro LE, Bauer US, Bjorkli C, Sandvig A, Sandvig I. [Neural stem cells isolated from activated brain neurogenic niches after traumatic injury demonstrate distinct behaviors in vitro](#). bioRxiv. 2024.01.27.577567.

Manuscripts in preparation

- Bjorkli C, Nair R, Witter MP, Sandvig A, & Sandvig I. Overexpression of Human Tau in Lateral Entorhinal Cortex Layer II of 3xTg AD Mice Leads to Tau Deposition and a Shift in Perforant Path Terminals in the Dentate Gyrus.

Media coverage

- [Animal testing helps us understand Alzheimer's](#), published in Norwegian SciTech News, 2022

FUNDING:

- 2022 – The Central Norway Regional Health Authority (RHA), Postdoctoral Research Fellowship, salary for postdoctoral fellowship and running costs (4.3 M NOK, awarded)
- 2022 – The Research Council of Norway, Researcher Project / International Mobility Grant, salary for one postdoctoral fellowship and running costs (4.3M NOK, rejected)
- 2022 – SpareBank 1 SMN, Talent Grant, running costs (50.000 NOK, rejected)
- 2021 – Norske kvinnelige akademikerer stipendiefond til Ellen Gleditsch` Minne, Academic Grant for Female Researchers in Norway, running costs (15.000 NOK, rejected)
- 2021 - Civitan Alzheimer's Disease Foundation, Funding for Alzheimer's Disease Research, salary for Ph.D. candidate and running costs (1.5M NOK, rejected)
- 2021 – The Norwegian Health Association, Postdoctoral Fellowships 2021 Dementia, salary for postdoctoral fellowship and running costs (3.2M NOK, rejected)
- 2021 - The Central Norway Regional Health Authority (RHA), Postdoctoral Research Fellowship, salary for postdoctoral fellowship and running costs (4.6 M NOK, rejected)
- 2021 – The Research Council of Norway, Researcher Project for Scientific Renewal, salary for two Ph.D. candidates, one postdoctoral fellowship, and running costs (13.4M NOK, rejected)
- 2021 – Department of Neuromedicine and Movement Science (NTNU), Internal Funding for a Ph.D. Candidate, 3-year salary for Ph.D. candidate (rejected)
- 2020 - Det Kongelige Norske Videnskabers Selskab (DKNVS), Scientific Grant for Students and Young Researchers, 3-month salary for lab technician (112.500 NOK, rejected)
- 2020 – The Central Norway Regional Health Authority (RHA)/The Joint Research Committee between St. Olavs hospital and the Faculty of Medicine and Health Sciences (NTNU, FFU), Two-Year Research Project, salary for Ph.D. candidate and running costs (1.6M NOK, rejected)
- 2020 - Civitan Alzheimer's Disease Foundation, Funding for Alzheimer's Disease Research, running costs (200.000 NOK, rejected)
- 2020 – NRSN Grant, International Training Grant for attending JANUBET (Japan and Norway United in Brain, Educations and Therapeutics) Primate Neurobiology School (14.500 NOK, awarded)
- 2019 - The Norwegian Health Association, Grant for Running Costs, running costs (300.000 NOK, rejected)
- 2019 - The Joint Research Committee between St. Olavs hospital and the Faculty of Medicine and Health Sciences (NTNU, FFU), Two-Year Research Project ("Linking molecular biomarkers and behavior in animal models and humans with Alzheimer's disease"), running costs (1M NOK, awarded)
- 2019 - The Central Norway Regional Health Authority (RHA), Doctoral Research Fellowship ("Elucidating the cellular and circuit-level neuropathological mechanisms of Alzheimer's disease"), three-year salary for Ph.D. candidate and running costs (3.4M NOK, awarded)

INVITED TALKS:

- 2020: [Emergent Scientist Seminar Series](#), Oxford Cortex Club
- 2019: [Neuroscience Symposia for Young Scientists at NTNU](#) (NeuroSys)
- 2024: [4th Nordic Neuroscience Meeting](#)