CURRICULUM VITAE – DR BINNAZ YALCIN
(Last updated November 2024)

PERSONAL INFORMATION

First/last name	**Binnaz YALCIN**
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Contact	INSERM Unit 1231
	15 boulevard Maréchal De Lattre de Tassigny 21070 Dijon, France
Phone	+33 (0)3 80 39 66 60
Date of birth	20th August 1977
Nationality	French-Turkish
Marital Status	Married, 3 children

EDUCATION

2014	**Accreditation to Direct Research (HDR)**
	University of Strasbourg, France
	Title: "*Genetics of brain disorders using mouse models*"
2007	**Doctor of Philosophy (D.Phil)**
	University of Oxford, Exeter College, United Kingdom
	Title: "*Quantitative Trait Locus mapping in animal models*"
2001	**Bachelor of Science** (with Honors)
	Nottingham Trent University, United Kingdom
2000	**Two-year Diploma** (Informatics)
	University of Clermont-Ferrand, France
1998	**Two-year Diploma** (Biology)
	University of Clermont-Ferrand, France

CURRENT POSITION

2023-present	**Tenured Research Director** (INSERM DR2) in Neurosciences
	Center for Translational and Molecular Medicine, Dijon, France

PREVIOUS RESEARCH POSITIONS

2019-2023	**Senior Researcher** (INSERM CRCN) in Genetics
	University of Bourgogne Franche-Comté, France
2016-2019	**Junior Group Leader**
	Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France
2013-2016	**SNSF Ambizione Fellow**
	Center for Integrative Genomics, Lausanne, Switzerland
2011-2013	**EMBO Postdoctoral Fellow**
	Center of Integrative Genomics, Lausanne, Switzerland
2007-2011	**Wellcome Trust Research Fellow**
	Wellcome Center for Human Genetics, Oxford, United Kingdom

SELECTED FELLOWSHIPS, AWARDS AND APPOINTMENTS

2023-2027	ANR Researcher Laureate, University of Bourgogne Franche-Comté, France
2022-2023	Nominated member, Scientific Evaluation Committee, European Joint Programme on Rare Diseases
2022-2026	Nominated member INSERM Scientific Evaluation Board
2019-2021	European Commission Solve-RD - first seeding grant award
2019	INSERM permanent researcher position in Genetics (ranked first)
2019	INSERM permanent position in Neurosciences (classed sixth, not taken up)
2019	Mary Lyon Award for an early-stage independent female researcher
2018-2021	ANR Young Researcher Laureate, University of Strasbourg, France
2016-2019	Chair of Excellence Award, University of Strasbourg, France

2016	Gutenberg Prize, University of Strasbourg, France
2015	Tremplin Award for female researchers, University of Lausanne
2014	Rector's Conference of the Swiss Universities Travel Award, Switzerland
2013	Korner Travelling Fellowship Fund, University of Sussex, United Kingdom
2013-2016	SNSF Ambizione Fellowship, University of Lausanne, Switzerland
2011-2014	ANR Postdoctoral Researcher Laureate, University of Strasbourg
2011-2013	EMBO Long-Term Postdoctoral Fellowship, University of Lausanne
2008-2011	Wellcome Trust Postdoctoral Fellowship, University of Oxford, UK
2008	Academic Merit Award, University of Oxford, United Kingdom
2002-2007	Wellcome Prize D.Phil Studentship Award, University of Oxford, UK

CURRENT GRANTS

2023-2027	ANR PRC project grant, 450K EUR
2022-2025	ANER starting grant, 50K EUR
2022-2025	Indo-French Centre for the Promotion of Advanced Research, 195K EUR
2023-2024	INSERM training grant, 15K EUR

PREVIOUS GRANTS (total raised > 3 million EUR; funds < 10K EUR not listed)

2022-2023	INSERM training grant, 15K EUR
2018-2023	ANR JCJC project grant, 250K EUR
2021-2023	European Regional Development Fund, Equipment grant (HREM), 130K EUR
2020-2022	European Regional Development Fund, Equipment grant (MEA), 91K EUR
2020-2021	INSERM International Research Project, 10K EUR
2020-2021	INFRAFRONTIER biomedial infrastructure grant, 20K EUR
2020-2022	Jérôme Lejeune Foundation grant, 24K EUR
2020-2022	Solve-RD seeding grant for model organism investigator, 20K EUR
2019-2021	INSERM start-up grant (ranked first), 44K EUR
2017-2019	INFRAFRONTIER biomedial infrastructure grant, 60K EUR
2016-2019	Chair of Excellence, ANR LABEX-INRT start-up, 560K EUR
2015-2017	Regional GUTENBERG project grant, 50K EUR
2015-2017	Regional GUTENBERG installation grant, 10K EUR
2015-2016	Strasbourg University IDEX Equipment grant, 29K EUR
2015-2016	University of Lausanne Equal Opportunities grant, 25K CHF
2014-2015	Société Académique Vaudoise, Equipment grant, 10K CHF
2013-2016	Swiss National Science Foundation Ambizione start-up grant, 600K CHF
2012-2014	Jérôme Lejeune Foundation grant, 15K EUR
2011-2014	Agence Nationale de la Recherche (ANR) project grant, 505K EUR
2011-2013	EMBO Long-Term Fellowship, 150K CHF
2009-2012	Wellcome Trust project grant, 438K GBP
2001-2005	Wellcome Prize PhD Studentship, 90K GBP

CONSORTIA AND SCIENTIFIC SOCIETES

2023-present	Member *"ALBA Network"*
2022-2028	Member "*IMGS - International Mammalian Genome Society*"
2022-present	Member of the French Scientific Interest group on neurodevelopmental disorders and autism (GIS Autism)
2022-present	Scientific Advisor Panel Member of the PhD School (University of Milan)
2022-2028	Member *"ISTT – International Society for Transgenic Technologies"*
2022-2023	Member *"CFATG – French Autophagy Club"*
2022-2023	Member *"FENS - Federation of European Neuroscience societies"*
2022-2023	Member *"ESHG – European Society of Human Genetics"*
2022-2025	Nomination as Secretariat for the *IMGS*
2020-2021	Nomination as President for the *IMGS*
2019-present	Ambassador, eLIFE Early Career Researchers Community

2018-present	Board "*IRC5 - International Research Consortium for the Corpus Callosum*"
2015-2019	Member "*IMGS - International Mammalian Genome Society*"
2012-present	Member of the 16p11.2 International Consortium
2011-2015	Member "*International Knockout Mouse Consortium*"
2007-2011	Member "*Collaborative Cross Consortium*"

MAJOR COLLABORATIONS (involving joint funding applications/collaborative contracts)

2023-present	Prof P. Garnier, Inserm 1093, University of Bourgogne, France
2023-present	Prof I. Del Pino Pariente, Instituto de Neurociencias, Alicante, Spain
2023-present	Prof C. Demougeot, University of Franche-Comté, France
2023-present	Prof M. Laudes, Institute of Diabetes, Kiel, Germany
2023-present	Dr GJ. Huang, Chang Gung University, Taiwan
2023-present	Prof M. Ansar, University of Lausanne, Switzerland
2023-present	Prof T. Araki, National Center of Neurology and Psychiatry, Japan
2022-present	Prof A. Schaffer, Department of Genetics, Cleveland, USA
2022-present	Dr S. Vincent, IGBMC, Strasbourg, France
2022-present	Prof M. Scala, University of Genoa, Genova Italy
2022-present	Dr H. Schmidt, IGBMC, Strasbourg, France
2022-present	Prof S. Minocha, Indian Institute of Technology Delhi, India
2022-present	Dr C. Golzio, IGBMC, Strasbourg, France
2021-present	Prof D. Picketts, University of Ottawa, Canada
2021-present	Prof S. Shifman, Department of Genetics, Jerusalem, Israel
2020-present	Prof L. Vissers, Donders Brain Institute, Nijmegen, Netherlands
2020-present	Prof F. Kooy, University of Antwerp, Belgium
2019-present	Prof R. Brambilla, University of Cardiff, United Kingdom
2019-present	Dr I. Davidson, IGBMC, Strasbourg, France
2018-present	Prof E. Sherr, University of California San Francisco, USA
2018-present	Dr L. Goutebroze, University of Sorbonne, Paris, France
2017-present	Prof L. Paul, California Institute of Technology, USA
2017-present	Prof C. Depienne, Institut für Humangenetik, Essen, Germany
2017-present	Prof M. Hurles, Wellcome Sanger Institute, United Kingdom
2017-present	Prof M. Hoppa, Biological Sciences, Hanover, USA
2012-present	Prof A. Reymond, Center for Integrative Genomics, Switzerland
2008-present	Prof J. Flint, UCLA Brain Research Institute, USA

MAJOR COLLABORATIONS (not necessarily involving joint funding applications)

2023-present	Prof E. Bhoj, Children's Hospital of Philadelphia, USA
2023-present	Prof E. Eichler, Department of Genome Sciences, Seattle, USA
2023-present	Prof Z. Tumer, Department of Clinical Medicine, Denmark
2022-present	Prof A. Lalande, University of Bourgogne Franche-Comté, France
2022-present	Dr N. Navarro, EPHE, University of Bourgogne, France
2021-present	Prof M. Guttman, University of California, USA
2021-present	Prof T. Keane, European Bioinformatics Institute, United Kingdom
2021-present	Dr G. Santen, Leiden University Medical Center, The Netherlands
2021-present	Dr M. C. Malicdan, National Institutes of Health, USA
2020-present	Dr T. Haack, University of Tubingen, Germany
2020-present	Dr F. Laumonnier, University of Tours, France
2019-present	Prof A. Crosby, University of Exeter Medical School, UK
2019-present	Prof E. Baple, University of Exeter Medical School, UK
2019-present	Prof P. Agrawal, Boston Children's Hospital, USA
2019-present	Dr F. Prin, The Francis Crick Institute, United Kingdom
2019-present	Prof R. Sedlacek, BIOCEV/IMG, Prague, Czech Republic
2019-present	Prof S. Murray, JAX Laboratory, Bar Harbor, USA
2018-present	Dr H. Moine, IGBMC, Strasbourg, France
2017-present	Prof C. Tyler-Smith, Wellcome Sanger Institute, Hinxton, UK

2016-present	Prof C. Webber, Dementia Research Institute, Cardiff, UK
2016-present	Dr F. Francis, University of Sorbonne, Paris, France
2016-present	Prof J. Chelly, IGBMC, Strasbourg, France
2016-present	Dr J. Godin, IGBMC, Strasbourg, France
2012-present	Dr Y. Hérault, Mouse Clinical Institute, Strasbourg, France
2011-present	Prof D. Adams, Wellcome Sanger Institute, Hinxton, UK
2011-present	Prof R. Mott, University College London, UK

NEUROGEMM EMERGING TEAM – CURRENT SUPERVISION ACTIVITIES

2019-present	Dr Binnaz Yalcin, Research Director
2022-present	Pr Patrick Callier, PUPH, Head of Diagnostic Genetics Lab at Dijon Hospital
2019-present	Dr Stephan Collins, Senior lecturer and researcher
2023-2025	Dr Siwar Ben Ayache, Postdoc
2023-2026	Emilia Skutunova, PhD student
2023-2026	Ayushma, PhD Student (in collaboration with Prof S. Minocha, India)
2024-2026	Wu Xiang, PhD Student (in collaboration with Ningbo University)
2024-2025	Beyza Zayim, MSc 2 Student
2024-2025	Hanzala Daud, MSc 2 Student
2025	Pamela Gnansounou, MSc 1 Student
2025	Antonin Guth, MSc 1 Student

PREVIOUS SUPERVISION ACTIVITIES

	Postdoctoral fellow
2017-2018	Efil Bayam, IGBMC, Strasbourg, France (in collaboration with Dr J. Godin)
	Graduated PhD students
2019-2023	Charlotte Montillot, University of Bourgogne-Franche-Comté (01/09/2023)
2016-2021	Perrine Kretz, University of Strasbourg, France (10/03/2021)
2012-2016	Meghna Kannan, University of Strasbourg, France (23/11/2016)
2013-2017	Anna Mikhaleva, University of Lausanne, Switzerland (02/10/2017)
	Engineer (since 2016)
2021-2022	Clémence Alibert, Inserm U1231 Dijon (currently PhD NeuroMyoGene)
	Research Assistants (since 2016)
2023-2024	Charline Parisis, University of Franche-Comté, France, France
2022-2023	Lucile Tonneau, University of Bourgogne-Franche-Comté, France
2020-2022	Sylvie Nguyen, CHU Dijon, France (collaboration Pr C. Thauvin)
2017-2018	Emeline Aguilar, University of Strasbourg, France
2016-2019	Marie-Christine Fischer, IGBMC, Strasbourg, France
2016-2018	Christel Wagner, IGBMC, Strasbourg, France
2016-2017	Léo Gagliardi, University of Strasbourg, France (Syngenta)
2015-2016	Anais Duret
2015-2016	Helen Whitley (Medical student)
2014-2016	Rebecca Balz
	MSc students (since 2016)
2024	Rania Farsi, University of Burgundy, Molecular and Cell Biology
2024	Hanzala Daud, University of Burgundy, Innovative Drugs
2024	Falilatou Saka, University of Burgundy, Health and Biology
2024	Taiabur Rahman, University of Burgundy, France (colla Prof A. Lalande)
2023	Juan Cisneros Jacome, University of Burgundy, France (colla Prof A.Lalande)
2022	Emilia Skutunova, University of Montpellier (PhD)
2021	Benazir Peerally, University of Sorbonne, France
2021	Zineddine Allaoua, University of Bourgogne Franche-Comté (Novolyze)
2021	Adam Lahmar, UBFC, France (Arsene Innovation)
2021	Axel Brocard, University of Bourgogne Franche-Comté, France (Provepharm)
2020	Maxence Milhau, University of Bourgogne Franche-Comté (Leyton, Canada)
2020	Bryan Capi, University of Bourgogne Franche-Comté, France

2020 Jules Roussey, University of Bourgogne Franche-Comté, France
2019 Charlotte Montillot, University of Nice Sophia Antipolis (postdoc)
2019 Axel Da Costa Sousa, University of Bourgogne Franche-Comté, France (CHU)
2018 Marion Gaborit, University of Strasbourg (PhD INCI Strasbourg 2023)
2017 Mathilde Kobler (Medical student), University of Strasbourg, France
2017 Maxime Meylan, University of Strasbourg (PhD Sorbonne University 2022)
2017 Sebastian Ciscares-Velazquez, Strasbourg University, France (PhD Germany)
2017 David Gualberto, University of Strasbourg, France (Merck)
2017 Gilles Leininger, University of Strasbourg, France
2016 Perrine Kretz, University of Strasbourg, France (PhD 2021)
2016 Nestor Demeure (PhD 2021 ENS Paris-Scalay, postdoc Berkeley Lab)
2016 Jonathan Delevoye, University of Strasbourg, France
2016 Laura Durieux, University of Strasbourg (PhD LNCA Strasbourg 2021)
2016 Somasekhar Jayaram (PhD Geneva)

BSc students (*Awarded the UNIL Summer Undergraduate Research Programme)

2024 Aliénor Vaudene, Cellular Biology and Physiology, Dijon University (MSc)
2024 Chloé Ngon, Cellular and Molecular Biology, University of Cergy Paris
2024 Nikol Nikolova, Biology, University of Montpellier
2024 Salma Zarfaoui, Biology and Health, University of Paris-Est-Creteil, France
2023 Ismail Salah, University of Bourgogne Franche-Comté, France (Medicine)
2023 Manon Lescutier, University of Bourgogne Franche-Comté, France (MSc)
2022 Rim Elmahjri, University of Bourgogne Franche-Comté, France
2022 Marion Bouiller, UBFC, France (DIXI medical)
2022 Lola Tanneur, Magistère Européen de Génétique, Paris Diderot (MSc 2024)
2021 Juliette Delmas, University of Bourgogne Franche-Comté, France
2021 Juliette Henna, University of Bourgogne Franche-Comté, France (MSc 2024)
2021 Salama Bou, University of Bourgogne Franche-Comté, France
2021 Flavie Theveny, University of Bourgogne Franche-Comté, France (MSc 2024)
2021 Suzie Lebee, University of Bourgogne Franche-Comté, France
2021 Marie Thirion, UBFC, France (PhD Grenoble)
2021 Marity Dessolain, University of Bourgogne Franche-Comté, France (CNRS)
2020 Gael Fleury, University of Bourgogne Franche-Comté, France (EPFL)
2020 Gaspard Boursier, UBFC, France (MSc 2022)
2019 Nawal Yahiaoui, Strasbourg University, France (MSc Pasteur, PhD ENS Paris)
2018 Clara Bonnet, University of Poitiers, France (PhD Institut Curie)
2018 Paula Hahn, University of Strasbourg (PhD Karolinska Institutet)
2018 Maria Ossipenko, University of Strasbourg, France (MSc 2021, PhD Liège)
2017 Sophie Lottiaux, University of Strasbourg, France (Clinical Manager Lyon)
2016 Dylan Huynh, University of Strasbourg, France (MSc 2019, Octapharma)
2016 Clara Casana Rico, University of Strasbourg, France (AbbVie Medical Affairs)
2016 Elizabeth Ramos-Morales, University of Strasbourg, France (PhD 2021)
2015 Luc Reymond (EPFL Lausanne)
2015 Sarah Arthur* (PhD 2021 Canada)
2015 Amicie De Pierrefeu (PhD 2018 CEA Paris, now at Ipsen)

Intern students

2024 Nida Yardim, Biology Engineering, University of Clermont-Ferrand II, France
2024 Maelle Tbatou, University of Burgundy, France
2024 Eloise Domet, University of Burgundy, France
2023 Emeline Richter, University Technology Troyes (UTT), France (Nurse School)
2023 Océane Musset, UTT (Magistère Européen de Génétique)
2023 Elisa Mischler, University of Bourgogne Franche-Comté, France (MSc)
2022 Khadija Bayou, University of Bourgogne Franche-Comté, France (MSc)
2021 Maylis Joly, University of Bourgogne Franche-Comté, France
2020 Narjisse Kenani, University of Paris 18th, France

2019	Elisia Isturiz, Supbiotech, Paris, France (Veracyte IO)
2019	Nina Pigeonneau, University of Strasbourg, France
2016	Mariane Litt, University of Strasbourg, France (Transgene)
2016	Saranya Ott, University of Strasbourg, France (Technician at ChemTox)
2015	Kevin Navarro (Manager Account, Lausanne)
	Student Assistants
2015	Mélina Gailly
2015	Isabelle Herr
2015	Amandine Delay
2015	Livia Chrast (Medicine)
2015	Lisa Haerri
	Visiting International ERASMUS students (*Awarded the IGBMC Summer Research Internship Programme)
2018	Gulsah Evyapan, PhD student, Turkey
2018	Emina Makedona*, BSc student, Greece
2017	Ananya Pathak*, BSc student, India (Engineer New Delhi and Dublin)
2017	Ezgi Mehmetoglu, BSc student, Turkey
2016	Durna Kumruoglu, BSc student, Turkey

NB: When known, the current professional status of students is indicated in bracket.

INVITED TEACHING AND BROAD AUDIENCE ACTIVITIES

2024	28th Knowledge Day, Dijon, France
2024-present	University of Burgundy, Neurosciences MSc, Dijon
2023	Broad audience lecture on *"Biology of Cohen syndrome"*, Clermont, France
2023-present	Invited lectures by patient families (SHINE, Cohen, KPTN Alliance, Raccord)
2022	National finalist *"My Thesis in 3 Minutes"* for one of my PhD students
2021-present	University of Bourgogne Franche-Comté, Neuroanatomy MSc, Besancon
2020-present	University of Bourgogne Franche-Comté, Neurosignalisation MSc, Dijon
2019	Broad audience lecture on *"Brain Development in Children"*, Dijon, France
2018	Next generation sequencing, Cambridge, United Kingdom
2016	ITMO School in Translational Research in Neurosciences, Bordeaux, France
2016-present	Participation in *Fête de la Science*, *Semaine du Cerveau*, *Expérimentarium*, and *Forum des Métiers* to engage and inform younger audiences about our work
2015	Workshop on Academic Career, University of Lausanne, Switzerland
2015	European Advanced School in Mouse Phenogenomics, Alsace, France
2013	Ecole Supérieure Biotechnologie Strasbourg, Genomics, France
2012-present	Pasteur Institute, annual 2-hour lecture in Neurogenetics, Paris, France
2011	2-week practical courses in Molecular Biology, Lausanne, Switzerland
2001	4-month teaching in Genetics, European funded project, West Africa

INVITED CONFERENCES

2024	European Molecular and Cellular Cognition Society meeting, Vienna, **Talk**
2024	16th VPS13 Forum, Germany, **Talk** (online)
2023	ERN-ITHACA Board Meeting, Dublin, **Talk**
2023	36th French Association of Histotechnology Congress, Dijon, **Talk** (+2 Posters)
2023	4th NeuroFrance Meeting, Lyon, **Talk** (cancelled)
2022	20th Anniversary ICS, Strasbourg, France, **Talk**
2021	International Research Consortium on Corpus Callosum, Brazil, **Talk** (online)
2019	3rd Meeting Gene Expression and Epigenome, Strasbourg, France, **Talk**
2018	33rd International Mouse Genome Conference, USA, **Mary Lyon Award Talk**
2018	International Research Consortium on Corpus Callosum, California, USA, **Talk**
2017	Advancing Personalised Medicine with Animal Models, Athens, Greece, **Talk**
2017	2nd Functional annotation of genome-wide variants, Switzerland, **Talk**
2016	11th International Meeting on CNV and Genes in Autism, Troina, Italy, **Talk**

2016 5th International Mouse Phenotyping Consortium, Strasbourg, France, **Talk**
2013 6th Colloque Belles Souris, Montpellier, France, **Talk**
2005 11th International School on Neurogenetics, Bordeaux, France, **Talk**

SELECTED CONFERENCES

2024 25th International Society for Developmental Neuroscience, Montpellier, Poster
2024 20th Neural Networks Development Club, Paris, **Talk** (by E. Skutunova)
2024 Medical Imaging Conference, San Diego, USA, **Talk** (by J. Cisneros)
2024 12th Assises de Génétique Humaine et Médicale, Paris, France, Posters (x2)
2023 36th International Mouse Genome Conference, Tsukuba, Japan, **Talk**
2022 35th International Mouse Genome Conference, Vancouver, 5 Posters and **Talk**
2022 International Research Consortium on Corpus Callosum, USA, **Talk** (online)
2022 FENS, Paris, France (presented by C. Montillot and S. Nguyen), Posters (x2)
2022 10th Scientific Days on Autophagy, CFATG10, Besancon, France, Poster
2022 54th European Society of Human Genetics, Vienna, Austria, Poster and **Talk**
2022 11th Assises de Génétique Humaine et Médicale, Rennes, France, **Talk**
2022 11th Assises de Génétique Humaine et Médicale, Rennes, France, Posters (x3)
2021 10th Anniversary IMPC, Prague, Poster (online)
2021 54th European Society of Human Genetics, Poster (online) (**Best Poster Award**)
2021 3rd NeuroFrance Meeting, Strasbourg (presented by P. Kretz), Poster (online)
2020 3rd The Allied Genetics Conference, Washington D.C., USA, Poster (online)
2020 10th Assises de Génétique Humaine et Médicale, Tours, France, Poster
2019 Club Neuro-génétique Nancy, **Talk**
2019 69th American Society of Human Genetics, Houston, USA, Poster
2019 2nd NeuroFrance International Meeting, Marseille, France, Poster
2018 1st Advances in Neurodevelopmental Disorders, Strasbourg, France, Poster
2017 31st International Mouse Genome Conference, Heidelberg, Germany, Poster
2017 50th European Society of Human Genetics, Copenhagen, Denmark, **Talk**
2016 1st Genomics of Brain Disorders, Hinxton, United Kingdom, Poster & **Talk**
2015 65th American Society of Human Genetics, USA, Poster & **Talk** (+ Award)
2015 17th International Cognitive Disorders Workshop, Strasbourg, France, **Talk**
2015 2nd Symposium Molecular Basis of Mental Disorder, Switzerland, Poster
2015 48th European Society of Human Genetics, Glasgow, Scotland, **Talk**
2015 2nd Gencodys Conference, Chania, Crete, **Talk**
2015 10th International Meeting on CNV and Genes in Autism, Italy, **Talk**
2014 7th Personal Genomes: Discovery, Treatment & Outcomes, CSH, USA, **Talk**
2014 28th International Mouse Genome Conference, Maine, USA, **Talk**
2014 64th American Society of Human Genetics, San Diego, USA, Poster
2014 10th Neurogenetics Symposium, Strasbourg, France, **Talk**
2014 6th Meeting of the International Society for CSF Disorders, Bristol, UK, **Talk**
2013 1st Neurosciences Meeting, Dijon, France, **Talk**
2013 1st Gencodys Conference, Pathos, Cyprus, Poster
2012 11th Complex Trait Consortium Meeting, Pasteur Institute, Paris, France, **Talk**
2011 1st Mouse Genetics Conference, Washington D.C., USA, Poster
2010 5th Jacques Monod Conference on Cognition, Roscoff, France, Poster
2009 8th Complex Trait consortium Meeting, Manchester, United Kingdom, **Talk**
2007 2nd Genes and Behavior Meeting, Oxford, United Kingdom, Poster
2003 17th International Mouse Genome Conference, Braunschweig, Germany, **Talk**
2003 2nd Complex Trait Consortium Meeting, Oxford, United Kingdom, **Talk**

SELECTED/INVITED SEMINARS

2024 Lyon NeuroMyoGene Institute, invited by Hélène Puccio & Laurent Schaeffer
2024 Paris-Saclay Institute of Neuroscience, invited by François Rouyer
2023 National Center of Neurology, Kodaira, Japan, invited by Toshiyuki Araki
2020 MRC Institute of Metabolism, Cambridge, invited by Sadaf Farooqi (webinar)

2020	IRC5 genetic working group, invited by Elliott Sherr (webinar)
2017	Imagine, Paris, France
2016	iGReD, Clermont-Ferrand, France, invited by Krzysztof Jagla
2016	Imagine Institute, Paris, France
2015	Medical Research Council (MRC) Harwell, UK, invited by Steve Brown
2015	Wellcome Sanger Institute, Cambridge, UK, invited by Thomas Keane
2015	EMBL Monterotondo, Rome, Italy, invited by Cornelius Gross
2011	Center of Integrative Genomics, Switzerland, invited by Alexandre Reymond
2010	Cochin Institute, Paris Cité University, invited by Jamel Chelly
2008	Evolutionary Sciences Institute, Montpellier, invited by Francois Bonhomme

PEER REVIEW ACTIVITIES

Editorial board member

2018-present	Frontiers in Genetics (Frontiers)

Expert reviewer of journals

2024	Neuropharmacology
2024	Human Molecular Genetics
2024	Neurobiology of Disease
2024	NeuroImage
2024	Computational and Structural Biotechnology Journal
2023	Journal of Medical Genetics
2023	Mammalian Genome
2023	Journal of Clinical Medicine
2023	Neurobiology of Disease
2023	Frontiers in Neuroscience
2023	Cell Reports
2023	Biomolecules
2022	Brain Research
2022	Genes, Genomes and Genetics
2022	Frontiers Cell and Developmental Biology
2021	Theranostics
2021	Journal of Pediatric Genetics
2020	Genes, Brain and Behaviour
2020	Molecular Genetics and Metabolism
2020	Molecular Neurobiology
2019	PLoS Genetics
2019	eLife
2019	Life Science Alliance
2019	Mammalian Genome
2018	Brain Research
2017	Human Mutation
2017	Progress in Neuropsychopharmacology and Biological Psychiatry
2017	International Journal of Neuropsychopharmacology
2016	PLoS One
2014	Genes, Genomes and Genetics
2014	BMC Genomics
2014	Nature
2014	Nucleic Acids Research
2013	Journal of Metabolomics and Systems Biology
2012	BMC Genomics
2012	PLoS One
2012	BMC Research Notes
2011	Nature Genetics
2011	Trends in Genetics

Expert reviewer of grants

2023	Sorbonne University Emergence Grant
2023-present	European Joint Programme on Rare Diseases
2022-present	MRC
2020-2023	French Foundation for Medical Research Line-Pomaret
2018	IDEX Marseille
2016	Research Foundation Flanders
2015	French Foundation for Rare Diseases
2014	French Foundation for Rare Diseases
	Accreditation to Direct Research - HDR committees
2024	Rapporteur, Institut Imagine, France (C. Gordon)
2017	Rapporteur, University of Strasbourg, France (J. Godin)
2015	Rapporteur, University of Pierre and Marie Curie, France (M. Groszer)
	PhD thesis committees
2024	University of Tours, France (F. Desprez)
2023	Pasteur Institute, Paris, France (M. Bourdon)
2023	University of Strasbourg, France (A. Rasheed)
2021	University of Paris-Saclay, France (A. Cazals)
2021	University of Paris, France (C. Maillard)
2021	University of Strasbourg, France (A. Rasheed)
2020	University of Tours, France (J. Halewa)
2020	University of Strasbourg, France (L. Becker)
2019	University of Sorbonne, France (G. Canali)
2019	University of Strasbourg, France (J. Rivera-Alvarez)
2017	Pasteur Institute, Paris, France (J. Zhang)
2017	University of Strasbourg, France (S. Martin Lorenzo)
2017	University of Strasbourg, France (L. Asselin)
2016	University of Strasbourg, France (F. Mattioli)
2013	University of Montpellier 1, France (S. Quesada)
2011	University of Oxford, United Kingdom (R. Dutton)

OTHER MANAGEMENT AND INSTITUTIONAL RESPONSIBILITIES

2024-present	Abstract scoring for the *ESHG*
2023	Chair IMGS, Session: Human Disease Model, Japan (200 participants)
2022	Chair IRC5 conference, Session: Human Genetics, online (250 participants)
2021-present	Scientific officer of the local CRISPR-Cas9 genomics platform, Dijon
2021-present	Abstract scoring for the *IMGS* and *TAGC*
2022-present	Jury Young Researcher Congress, UBFC Dijon
2021-present	Webinar Coordinator, Inserm Unit 1231 Dijon
2021-present	Webinar Coordinator, IRC5 International Consortium
2020-present	Organizer of Internal Seminars, Inserm Unit 1231 Dijon
2020-present	Organizer of a 3-day IA4care Datathon, Dijon (100 participants)
2020	Organizer of a Symposium on Brain Imaging, INSERM Dijon (50 participants)
2018	Jury Master Cellular and Molecular Biology, University of Strasbourg, France
2018	Organizer of a Symposium on Statistics, Strasbourg, France (50 participants)
2017	Chair, Human Disease Models, IMGC, Germany (150 participants)
2017	Jury Master Neuroscience, University of Strasbourg, France
2016	Jury Master Molecular Biology, University of Strasbourg, France

MEDIA OUTREACH

	Online articles
2023	Editor's Choice in Genetics in Medicine: YWHAE loss of function causes rare neurodevelopmental disease (https://www.gimjournal.org/editors-choice)
2023	WDR project selected for the ANR Science with and for Society (SAPS) call for comic book diffusion in schools throughout France

2022 University of Bourgogne Franche-Comté, France "L'équipe NeuroGeMM a contribué à un ouvrage sur les méthodes innovantes en recherche translationnelle sur les maladies du neurodéveloppement comme l'autisme ou la déficience intellectuelle"
https://www.u-bourgogne.fr/actualites-de-la-recherche/des-methodes-innovantes-de-recherche-sur-les-maladies-du-neurodeveloppement.html

2021 Wellcome Sanger Institute News article by Communications Team "Loss of gene linked to differences in brain size"
https://www.sanger.ac.uk/news_item/loss-of-gene-linked-to-differences-in-brain-size/

2021 Inserm Press Release "L'absence de MAGEE2 : une mutation bénéfique"
http://www.est.inserm.fr/actualites/l-absence-de-magee2-une-mutation-benefique

2021 University of Bourgogne Franche-Comté, France "Une mutation bénéfique : l'absence de MAGEE2 entraine une différence dans la taille du cerveau chez l'homme et chez la femme"
https://www.u-bourgogne.fr/actualites-de-la-recherche/une-mutation-benefique-labsence-de-magee2-entraine-une-difference-dans-la-taille-du-cerveau-chez-lhomme-et-chez-la-femme.html

2020 33rd international mammalian genome conference: meeting highlights "Yalcin's work provides an important resource for both the mouse and human genetics and neuroscience communities".
https://link.springer.com/article/10.1007/s00335-020-09830-8

2019 University of Strasbourg, France "Brain development: 198 essential genes identified"
http://www.recherche.unistra.fr/index.php?id=30518

2019 University of Bourgogne Franche-Comté, France "198 genes essential for brain development"
https://www.u-bourgogne.fr/non-categorise/brouillon-auto.html-40

2017 Advancing personalized medicine with animal models
D2.3_Report on 2nd INFRAFRONTIER Stakeholder Meeting-1.pdf

2017 Une année avec le CNRS en Alsace "Cognitive and intellectual disabilities are caused by genetic mutations"
https://www.alsace.cnrs.fr/sites/delegation_dr10/files/page/2020-08/2017_une-annee_VF.pdf

2017 Discovery of WDR47 gene essential for the development of the brain
http://www.igbmc.fr/society/actualite/261/

News feature Nature Communications

2019 https://www.nature.com/collections/mjkksldswr/content/jerome-staal

Blog posts

2019 Tweeter "Amazing effort from @YalcinBinnaz to look over 1500 mutant mouse lines to find 198 genes whose disruptions yield NeuroAnatomical Phenotypes" by Editors of Nature Communications.

2019 Wellcome Sanger Institute blog "The Biology of the Brain"
https://sangerinstitute.blog/2019/09/25/the-biology-of-the-brain/

2019 International Mouse Phenotyping Consortium "Study Uncovers 198 Genes Associated With Brain Morphogenesis in Mice"
https://www.mousephenotype.org/blog/2019/10/04/large-scale-study-uncovers-198-genes-associated-with-brain-morphogenesis-in-mice/

HCERES EVALUATION

2017 The High Council for the Evaluation of Research and Higher Education (HCERES) has scored my team as "**excellent to outstanding with great future prospects**".

CAREER BREAKS

2018-2019	6-month sick leave + 6-month maternity leave
2012-2013	6-month sick leave
2007-2008	6-month sick leave + 6-month maternity leave
2005-2006	6-month sick leave + 6-month maternity leave

PUBLICATIONS – DR BINNAZ YALCIN
(last updated November 2024)

LINKS

ORCID	https://orcid.org/0000-0002-1924-6807
Publons	https://publons.com/researcher/2199799/binnaz-yalcin/
Google scholar	https://scholar.google.fr/citations?user=RxYvYoQAAAAJ&hl=en

OVERVIEW OF PUBLICATIONS

Total publication	**54**
Original articles	**48**
Review/comment articles	**5**
Book Chapter	**1**
Correspondence/(co)last authorships	**22**
First authorships	**9**
Invited authorships	**8**
H-index (Google scholar)	**27**
i10 index (Google scholar)	**37**
Sum of the times cited (Google scholar)	**6174**
Category Normalised Citation Impact	**3.2**

11% of publications in Top 1%, 40% in Top 10%

ARTICLES IN REVISION

2024

Amelan A, Collins SC, Damseh N, Dvir E, Monderer-Rothkoff G, Harel T, **Yalcin B***, Shifman S*. Identification of novel genes and pathways essential for neural development. **Nature Neuroscience**. [*Co-last/co-correspondence]

Picketts D, Mirzaa G, Yan K, Relator R, Timpano S, **Yalcin B**, Collins S, Ziegler A, Pao E, Oyama N, Brischoux-Boucher E, Piard J, Monaghan K, Sacoto MG, Dobyns W, Park K, Fernández-Mayoralas D, Fernández-Jaén A, Jayakar P, Brusco A, Antona V, Giorgio E, Kvarnung M, Isidor B, Conrad S, Cogné B, Deb W, Stuurman KE, Sterbova K, Smal N, Weckhuysen S, Oegema R, Innes M, Latsko M, Ben-Omran T, Yeh R, Kruer M, Bakhtiari S, Papavasiliou A, Moutton S, Nambot S, Chanprasert S, Paolucci S, Miller K, Burton B, Kim K, O'Heir E, Bruwer Z, Donald K, Kleefstra T, Goldstein A, Angle B, Bontempo K, Miny P, Joset P, Demurger F, Hobson E, Pang L, Carpenter L, Li D, Bonneau D, Sadikovic B. Pathogenic variants in SMARCA1 cause an X-linked neurodevelopmental disorder modulated by NURF complex composition. **Nature Communications**.

Carrano N, Ribeiro A, Italia M, La Greca F, Genova F, D'Andrea L, Zianni E, Ponzoni L, Barthet G, Collins SC, Sala M, Mitro N, Mulle C, **Yalcin B**, Marcello E, Gardoni F, DiLuca M, Scheggia D. RNF10 as NMDA receptor-dependent signaling protein necessary for cognitive flexibility. **Molecular Psychiatry**.

FULL PUBLICATION LIST

48 Original Articles

2024

Bayam E, Tilly P, Collins SC, Alvarez J, Kannan M, Tonneau L, Brivio E, Rinaldi B, Lecat R, Schwaller N, Cotellessa L, Maddirevula S, Monteiro F, Guardia CM, Kitajima P, Kok F, Kato M, Hamed A, Salih M, Al Tala S, Hashem M, Tada H, Saitsu H, Stabile M, Giacobini P, Friant S, Yüksel Z, Nakashima M, Alkuraya F, **Yalcin B***, Godin JD*. Bi-allelic variants in

WDR47 cause a complex neurodevelopmental syndrome. **EMBO Molecular Medicine**. [*Co-last/co-correspondence].

Bassani S, Chrast J, Ambrosini G, Voisin N, Schütz F, Brusco A, Sirchia F, Turban L, Schubert S, Abou Jamra R, Schlump JU, DeMille D, Bayrak-Toydemir P, Nelson GR, Wong KN, Duncan L, Mosera M, Gilissen C, Vissers LELM, Pfundt R, Kersseboom R, Yttervik H, Hansen GÅM, Smeland MF, Butler KM, Lyons MJ, Carvalho CMB, Zhang C, Lupski JR, Potocki L, Flores-Gallegos L, Morales-Toquero R, Petit F, **Yalcin B**, Tuttle A, Elloumi HZ, McCormick L, Kukolich M, Klaas O, Horvath J, Scala M, Iacomino M, Operto F, Zara F, Writzl K, Maver A, Haanpää MK, Pohjola P, Arikka H, Kievit AJA, Calandrini C, Iseli C, Guex N, Reymond A. Variant-specific pathophysiological mechanisms of AFF3 differently influence transcriptome profiles. **Genome Medicine**. 2024 May 30;16(1):72.

Loe-Mie Y, Plançon C, Dubertret C, Yoshikawa T, **Yalcin B**, Collins SC, Boland A, Deleuze JF, Gorwood P, Benmessaoud D, Simonneau M, Lepagnol-Bestel AM. De Novo Variants Found in Three Distinct Schizophrenia Populations Hit a Common Core Gene Network Related to Microtubule and Actin Cytoskeleton Gene Ontology Classes. **Life**. 2024 Feb 9;14(2):244.

Laugwitz L, Cheng F, Collins SC, Hustinx A, Navarro N, Welsch S, Cox H, Hsieh TC, Vijayananth A, Buchert R, Bender B, Efthymiou S, Murphy D, Zafar F, Rana N, Grasshoff U, Falb RJ, Grimmel M, Seibt A, Zheng W, Ghaedi H, Thirion M, Couette S, Azizimalamiri R, Sadeghian S, Galehdari H, Zamani M, Zeighami J, Sedaghat A, Ramshe SM, Zare A, Alipoor B, Klee D, Sturm M, Ossowski S, Houlden H, Riess O, Wieczorek D, Gavin R, Maroofian R, Krawitz P, **Yalcin B***, Distelmaier F, Haack TB*. ZSCAN10 deficiency causes a neurodevelopmental disorder with characteristic oto-facial malformations. **Brain**. 2024 Feb 22:awae058. [*Co-last].

2023

Kretz P, Wagner C, Mikhaleva A, Montillot C, Hugel S, Morella I, Kannan M, Fischer MC, Milhau M, Yalcin I, Brambilla R, Selloum M, Herault Y, Reymond A, Collins S, **Yalcin B**. Dissecting the autism-associated 16p11.2 locus identifies multiple drivers in neuroanatomical phenotypes and unveils a male-specific role for the major vault protein. **Genome Biology**. 2023 Nov 15;24(1):261.

Cisneros J, Lalande A, **Yalcin B**, Meriaudeau F, Collins SC. Automatic Segmentation of Histological Images of Mouse Brains. **Algorithms**. 2023, 16, 553.

Montillot C, Skutunova E, Ayushma, Dubied M, Lahmar A, Nguyen S, Peerally B, Prin F, Duffourd Y, Thauvin-Robinet C, Duplomb L, Wang H, Ansar M, Faivre L, Navarro N, Minocha S, Collins SC, **Yalcin B**. Characterization of Vps13b-mutant mice reveals neuroanatomical and behavioral phenotypes with females less affected. **Neurobiology of Disease**. 2023 Sep;185:106259.

Levitin MO, Rawlins LE, Sanchez-Andrade G, Arshad OA, Collins SC, Sawiak SJ, Iffland PH, Andersson MHL, Bupp C, Cambridge EL, Coomber EL, Ellis I, Herkert JC, Ironfield H, Jory L, Kretz PF, Kant SG, Neaverson A, Nibbeling E, Rowley C, Relton E, Sanderson M, Scott EM, Stewart H, Shuen AY, Schreiber J, Tuck L, Tonks J, Terkelsen T, van Ravenswaaij-Arts C, Vasudevan P, Wenger O, Wright M, Day A, Hunter A, Patel M, Lelliott CJ, Crino PB, **Yalcin B**, Crosby A, Baple EL, Logan DW, Hurles ME, Gerety SS. Models of KPTN-related disorder implicate mTOR signalling in cognitive and overgrowth phenotypes. **Brain**. 2023 Jul 12:awad231.

Denommé-Pichon AS, Collins SC, Bruel AL, Mikhaleva A, Wagner C, Vancollie VE, Thomas Q, Chevarin M, Weber M, Prada CE, Overs A, Palomares-Bralo M, Santos-Simarro F, Pacio-Míguez M, Busa T, Legius E, Bacino CA, Rosenfeld JA, Le Guyader G, Egloff M, Le Guillou X, Mencarelli MA, Renieri A, Grosso S, Levy J, Dozières B, Desguerre I, Vitobello A, Duffourd Y, Lelliott CJ, Thauvin-Robinet C, Philippe C, Faivre L*, **Yalcin B***. YWHAE loss of function causes a rare neurodevelopmental disease with brain abnormalities in human and mouse. **Genetics in Medicine**. 2023 Mar 28:100835 [*Co-last].

2022

Collins SC, Vancollie VE, Mikhaleva A, Wagner C, Balz R, Lelliott CJ, **Yalcin B***. Characterization of Two Mouse Chd7 Heterozygous Loss-of-Function Models Shows Dysgenesis of the Corpus Callosum and Previously Unreported Features of CHARGE Syndrome. **International Journal of Molecular Sciences** 2022 Sep 29;23(19):11509 [*Invited].

Nguyen S, Kannan M, Gaborit M, Collins SC, **Yalcin B***. Quantitative Neuroanatomical Phenotyping of the Embryonic Mouse Brain. **Current Protocols**. 2022 Jul;2(7):e509 [*Invited].

Romero DM, Poirier K, Belvindrah R, Moutkine I, Houllier A, LeMoing AG, Petit F, Boland A, Collins SC, Soiza-Reilly M, **Yalcin B**, Chelly J, Deleuze JF, Bahi-Buisson N, Francis F. Novel role of the synaptic scaffold protein Dlgap4 in ventricular surface integrity and neuronal migration during cortical development. **Nature Communications**. 2022 May 18;13(1):2746.

Rawlins LE, Almousa H, Khan S, Collins SC, Milev MP, Leslie J, Saint-Dic D, Khan V, Hincapie AM, Day JO, McGavin L, Rowley C, Harlalka GV, Vancollie VE, Ahmad W, Lelliott CJ, Gul A, **Yalcin B***, Crosby AH*, Sacher M*, Baple EL*. Biallelic variants in TRAPPC10 cause a microcephalic TRAPPopathy disorder in humans and mice. **PLoS Genetics**. 2022 Mar 17;18(3):e1010114 [*Co-last].

2021

Szpak* M, Collins SC, Li Y, Liu X, Ayub Q, Fischer MC, Vancollie VE, Lelliott CJ, Xue Y, **Yalcin B***, Yang H, Tyler-Smith C*. A positively-selected MAGEE2 LoF allele is associated with sexual dimorphism in human brain size, and shows similar phenotypes in Magee2 null mice. **Molecular Biology and Evolution**. 2021 Aug 31:msab243 [*Correspondence].

Baud A, Casale FP, Barkley-Levenson AM, Farhadi N, Montillot C, **Yalcin B**, Nicod J, Palmer AA, Stegle O. Dissecting indirect genetic effects from peers in laboratory mice. **Genome Biology**. 2021 Jul 26;22(1):216.

Voisin N, Schnur RE, Douzgou S, Hiatt SM, Rustad CF, Brown NJ, Earl DL, Keren B, Levchenko O, Geuer S, Verheyen S, Johnson D, Zarate YA, Hančárová M, Amor DJ, Bebin EM, Blatterer J, Brusco A, Cappuccio G, Charrow J, Chatron N, Cooper GM, Courtin T, Dadali E, Delafontaine J, Del Giudice E, Doco M, Douglas G, Eisenkölbl A, Funari T, Giannuzzi G, Gruber-Sedlmayr U, Guex N, Heron D, Holla ØL, Hurst ACE, Juusola J, Kronn D, Lavrov A, Lee C, Lorrain S, Merckoll E, Mikhaleva A, Norman J, Pradervand S, Prchalová D, Rhodes L, Sanders VR, Sedláček Z, Seebacher HA, Sellars EA, Sirchia F, Takenouchi T, Tanaka AJ, Taska-Tench H, Tønne E, Tveten K, Vitiello G, Vlčková M, Uehara T, Nava C, **Yalcin B**, Kosaki K, Donnai D, Mundlos S, Brunetti-Pierri N, Chung WK, Reymond A. Variants in the degron of AFF3 are associated with intellectual disability, mesomelic dysplasia, horseshoe kidney, and epileptic encephalopathy. **American Journal of Human Genetics**. 2021 May 6;108(5):857-873.

Niewiadomska-Cimicka A, Doussau F, Perot JB, Roux MJ, Keime C, Hache A, Piguet F, Novati A, Weber C, **Yalcin B**, Meziane H, Champy MF, Grandgirard E, Karam A, Messaddeq N, Eisenmann A, Brouillet E, Nguyen HHP, Flament J, Isope P, Trottier Y. SCA7 Mouse Cerebellar Pathology Reveals Preferential Downregulation of Key Purkinje Cell-Identity Genes and Shared Disease Signature with SCA1 and SCA2. **Journal of Neuroscience**. 2021 Jun 2;41(22):4910-4936.

Bonfante B, Faux P, Navarro N, Mendoza-Revilla J, Dubied M, Montillot C, Wentworth E, Poloni L, Varón-González C, Jones P, Xiong Z, Fuentes-Guajardo M, Palmal S, Chacón-Duque JC, Hurtado M, Villegas V, Granja V, Jaramillo C, Arias W, Barquera R, Everardo-Martínez P, Sánchez-Quinto M, Gómez-Valdés J, Villamil-Ramírez H, Silva de Cerqueira CC, Hünemeier T, Ramallo V, Liu F, Weinberg SM, Shaffer JR, Stergiakouli E, Howe LJ, Hysi PG, Spector TD, Gonzalez-José R, Schüler-Faccini L, Bortolini MC, Acuña-Alonzo V, Canizales-Quinteros S, Gallo C, Poletti G, Bedoya G, Rothhammer F, Thauvin-Robinet C, Faivre L, Costedoat C, Balding D, Cox T, Kayser M, Duplomb L, **Yalcin B**, Cotney J, Adhikari K, Ruiz-Linares A. A GWAS in Latin Americans identifies novel face shape loci, implicating VPS13B and a Denisovan introgressed region in facial variation. **Science Advances**. 2021 Feb 5;7(6):eabc6160.

Jeanne M, Vuillaume ML, Ung DC, Vancollie VE, Wagner C, Collins SC, Vonwill S, Haye D, Chelloug N, Pfundt R, Kummeling J, Moizard MP, Marouillat S, Kleefstra T, **Yalcin B**, Laumonnier F, Toutain A. Haploinsufficiency of the HIRA gene located in the 22q11 deletion syndrome region is associated with abnormal neurodevelopment and impaired dendritic outgrowth. **Human Genetics**. 2021 Jan 8.

2020

Duncan AR, Vitobello A, Collins SC, Vancollie VE, Lelliott CJ, Rodan L, Shi J, Seman AR, Agolini E, Novelli A, Prontera P, Guillen Sacoto MJ, Santiago-Sim T, Trimouille A, Goizet C, Nizon M, Bruel AL, Philippe C, Grant PE, Wojcik MH, Stoler J, Genetti CA, van Dooren MF, Maas SM, Alders M, Faivre L, Sorlin A, Yoon G, **Yalcin B***, Agrawal PB*. Heterozygous Variants in KDM4B Lead to Global Developmental Delay and Neuroanatomical Defects. **American Journal of Human Genetics**. 2020 Dec 3;107(6):1170-1177 [*Correspondence].

Liang ZS, Cimino I, **Yalcin B**, Raghupathy N, Vancollie VE, Ibarra-Soria X, Firth HV, Rimmington D, Farooqi IS, Lelliott CJ, Munger SC, O'Rahilly S, Ferguson-Smith AC, Coll AP, Logan DW. Trappc9 deficiency causes parent-of-origin dependent microcephaly and obesity. **PLoS Genetics**. 2020 Sep 2;16(9):e1008916.

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Gilet J, Ivanova E, Trofimova D, Rudolf G, Meziane H, Broix L, Drouot N, Courraud J, Skory V, Voulleminot P, Osipenko M, Bahi-Buisson N, **Yalcin B**, Birling MC, Hinckelmann MV, Kwok BH, Allingham JS, Chelly J. Conditional switching of KIF2A mutation provides new insights into cortical malformations pathogeny. **Human Molecular Genetics**. 2020 Jan 10.

2019

Collins SC, Mikhaleva A, Vrcelj K, Vancollie VE, Wagner C, Demeure N, Whitley H, Kannan M, Balz R, Anthony LFE, Edwards A, Moine H, White JK,

Adams DJ, Reymond A, Lelliott CJ, Webber C, **Yalcin B**. Large-scale neuroanatomical study uncovers 198 gene associations in mouse brain morphogenesis. **Nature Communications**. 2019 Aug 1;10(1):3465.

Collins SC, Uzquiano A, Selloum M, Wendling O, Gaborit M, Osipenko M, Birling MC, **Yalcin B***, Francis F*. The neuroanatomy of Eml1 knockout mice, a model of subcortical heterotopia. **Journal of Anatomy**. 2019 Sep;235(3):637-650 [*Correspondence].

Ivanova EL, Gilet JG, Sulimenko V, Duchon A, Rudolf G, Runge K, Collins SC, Asselin L, Broix L, Drouot N, Tilly P, Nusbaum P, Vincent A, Magnant W, Skory V, Birling MC, Pavlovic G, Godin JD, **Yalcin B**, Hérault Y, Dráber P, Chelly J, Hinckelmann MV. TUBG1 missense variants underlying cortical malformations disrupt neuronal locomotion and microtubule dynamics but not neurogenesis. **Nature Communications**. 2019 May 13;10(1):2129.

2018

Lilue J, Doran AG, Fiddes IT, Abrudan M, Armstrong J, Bennett R, Chow W, Collins J, Collins S, Czechanski A, Danecek P, Diekhans M, Dolle DD, Dunn M, Durbin R, Earl D, Ferguson-Smith A, Flicek P, Flint J, Frankish A, Fu B, Gerstein M, Gilbert J, Goodstadt L, Harrow J, Howe K, Ibarra-Soria X, Kolmogorov M, Lelliott CJ, Logan DW, Loveland J, Mathews CE, Mott R, Muir P, Nachtweide S, Navarro FCP, Odom DT, Park N, Pelan S, Pham SK, Quail M, Reinholdt L, Romoth L, Shirley L, Sisu C, Sjoberg-Herrera M, Stanke M, Steward C, Thomas M, Threadgold G, Thybert D, Torrance J, Wong K, Wood J, **Yalcin B**, Yang F, Adams DJ, Paten B, Keane TM. Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. **Nature Genetics**. 2018 Nov;50(11):1574-1583.

Collins SC, Wagner C, Gagliardi L, Kretz PF, Fischer MC, Kannan M, **Yalcin B***. A method for parasagittal sectioning for neuroanatomical quantification of brain structure in the adult mouse. **Current Protocols in Mouse Biology**. 2018 [*Invited].

2017

Kannan M, Bayam E, Wagner C, Rinaldi B, Kretz PF, Tilly P, Roos M, McGillewie L, Bär S, Minocha S, Chevalier C, Po C, Chelly J, Mandel JL, Borgatti R, Piton A, Kinnear C, Loos B, Adams DJ, Hérault Y, Collins SC, Friant S, Godin JD, **Yalcin B**. WD40-repeat 47, a microtubule-associated protein, is essential for brain development and autophagy. **Proc Natl Acad Sci U S A.** 2017 Oct 31;114(44):E9308-E9317.

Loviglio MN, Arbogast T, Jønch AE, Collins SC, Popadin K, Bonnet CS, Giannuzzi G, Maillard AM, Jacquemont S; 16p11.2 Consortium, **Yalcin B**, Katsanis N, Golzio C, Reymond A. The Immune Signaling Adaptor LAT Contributes to the Neuroanatomical Phenotype of 16p11.2 BP2-BP3 CNVs. **American Journal of Human Genetics**. 2017 Oct 5;101(4):564-577.

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2016

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2013

Simon M, Greenaway S, White J, Fuchs H, Gailus-Durner V, Sorg T, Wong W, Bedu E, Cartwright E, Dacquin R, Djebali S, Estabel J, Graw J, Ingham N, Jackson I, Lengeling A, Mandillo S, Marvel J, Meziane H, Preitner F, Puk O,

Roux M, Adams D, Atkins S, Ayadi A, Becker L, Blake A, Brooker D, Cater H, Champy MF, Combe R, Danecek P, di Fenza A, Gates H, Gerdin AK, Golini E, Hancock J, Hans W, Hölter S, Hough T, Jurdic P, Keane T, Morgan H, Müller W, Neff F, Nicholson G, Pasche B, Roberson LA, Rozman J, Sanderson M, Santos L, Selloum M, Shannon C, Southwell, Tocchini-Valentini A, Vancollie V, Wells S, Westerberg H, Wurst W, Zi M, **Yalcin B***, Ramirez-Solis R*, Steel K*, Mallon AM*, Hrabé de Angelis M*, Hérault Y*, Brown S*. A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. **Genome Biology**. 2013, 14(7):R82 [*Co-last].

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2012

Yalcin B*, Wong K, Bhomra A, Goodson M, Keane T, Adams D, Flint J. The fine-scale architecture of structural variants in 17 mouse genomes. **Genome Biology**. 2012, 13(3):R18 [*Correspondence].

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2011

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