

**CURRICULUM VITAE – DR BINNAZ YALCIN**  
(Last updated January 2023)

**PERSONAL INFORMATION**

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

**EDUCATION**

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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**

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2019-present         **Tenured Assistant Professor** INSERM researcher  
                              University of Bourgogne Franche-Comté, France

**PREVIOUS RESEARCH POSITIONS**

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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**

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2023-2027            ANR Researcher Laureate, University of Bourgogne Franche-Comté, France  
2022-2026            Nominated member INSERM Scientific Evaluation Board  
2021                    MRT Award for PhD Fellowship (A. Telaidji), University of Bourgogne (not taken up)  
2020                    MRT Award for PhD Fellowship (V. Panasenkava), ranked first (not taken up)  
                              University of Bourgogne Franche-Comté, France  
2020                    European Research Council ERC-StG - ranked A (not funded)  
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**

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2023-2027	ANR PRC project grant, 450K EUR
2022-2024	ANER starting grant, 50K EUR
2022-2023	INSERM training grant (L. Tonneau), 15K EUR
2022-2025	Indo-French Centre for the Promotion of Advanced Research, 195K EUR
2018-2023	ANR JCJC project grant, 250K EUR

### **PREVIOUS GRANTS (total raised > 3 million EUR; funds < 5K EUR not listed)**

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2021-2023	European Regional Development Fund, Equipment (HREM), 130K EUR
2020-2022	European Regional Development Fund, Equipment (MEA), 91K EUR
2020-2021	INSERM International Research Project, 10K EUR
2020-2021	INFRAFRONTIER biomedical infrastructure grant, 20K EUR
2020-2022	Jérôme Lejeune Foundation grant, 24K EUR
2019-2021	Solve-RD seeding grant for model organism investigator, 20K EUR
2019-2021	INSERM start-up grant (ranked first), 44K EUR
2017-2019	INFRAFRONTIER biomedical 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**

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2022-2028	Member " <i>IMGS - International Mammalian Genome Society</i> "
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)
2022-2023	Member " <i>CFATG – French Autophagy Club</i> "
2022-2023	Member " <i>FENS - Federation of European Neuroscience societies</i> "
2022-2023	Member " <i>ESHG – European Society of Human Genetics</i> "
2022-2025	Nomination as Secretariat for the <i>IMGS</i>

2020-2021	Nomination as President for the <i>IMGS</i>
2019-present	Ambassador, eLIFE Early Career Researchers Community
2018-present	Board “ <i>IRC5 - International Research Consortium for the Corpus Callosum</i> ”
2015-2019	Member “ <i>IMGS - International Mammalian Genome Society</i> ”
2011-2015	Member “ <i>International Knockout Mouse Consortium</i> ”
2007-2011	Member “ <i>Collaborative Cross Consortium</i> ”

## COLLABORATIONS

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2022-present	Dr Nicolas Navarro, EPHE, University of Bourgogne Franche-Comté
2022-present	Dr Shilpi Minocha, Indian Institute of Technology Delhi
2021-present	Prof M. Guttman, University of California, United States
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, United States
2020-present	Prof Frank Kooy, University of Antwerp, Belgium
2020-present	Dr T. Haack, University of Tübingen, Germany
2020-present	Prof R. Brambilla, University of Cardiff, United Kingdom
2020-present	Dr F. Laumonier, University of Tours, France
2019-present	Prof A. Crosby, University of Exeter Medical School, United Kingdom
2019-present	Prof P. Agrawal, Boston Children's Hospital, United States
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, United States
2018-present	Dr F. Francis, University of Sorbonne, Paris, France
2018-present	Prof E. Sherr, University of California San Francisco, United States
2017-present	Prof C. Depienne, Institut für Humangenetik, Essen, Germany
2017-present	Prof C. Tyler-Smith, Wellcome Sanger Institute, Hinxton, United Kingdom
2017-present	Prof M. Hurles, Wellcome Sanger Institute, Hinxton, United Kingdom
2016-present	Prof C. Webber, Dementia Research Institute, Cardiff, United Kingdom
2016-present	Prof J. Chelly, IGBMC, Strasbourg, France
2016-present	Dr C. Golzio, IGBMC, Strasbourg, France
2016-present	Dr J. Godin, IGBMC, Strasbourg, France
2012-present	Dr Y. Hérault, Mouse Clinical Institute, Strasbourg, France
2012-present	Prof A. Reymond, Center for Integrative Genomics, Switzerland
2011-present	Prof D. Adams, Wellcome Sanger Institute, Hinxton, United Kingdom

## NEUROGEMM TEAM – CURRENT SUPERVISION ACTIVITIES

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2016-present	S. Collins, Senior scientist
2019-2023	C. Montillot, PhD student
2023	J. Cisneros Jacome, MSc student (collaboration with the lab of A. Lalande)
2022-present	L. Tonneau, Technician
2023	E. Mischler, Intern student
2023	E. Richter, Intern student
2023	O. Musset, Intern student

## PREVIOUS SUPERVISION ACTIVITIES

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	<b>Postdoctoral fellow</b>
2017-2018	Efil Bayam, IGBMC, Strasbourg, France (in collaboration with Dr J. Godin)
	<b>Graduated PhD students</b>
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)
	<b>Engineer (since 2016)</b>
2021-2022	Clémence Alibert, Inserm U1231 Dijon (currently PhD NeuroMyoGène)

### **Research Assistants (since 2016)**

2020-2022 Sylvie Nguyen, University of Bourgogne Franche-Comté, France  
2016-2019 Marie-Christine Fischer, IGBMC, Strasbourg, France  
2016-2018 Christel Wagner, IGBMC, Strasbourg, France  
2015-2016 Anais Duret  
2015-2016 Helen Whitley (Medical student)  
2014-2016 Rebecca Balz

### **Graduated MSc students (since 2016)**

2022 Emilia Skutunova, University of Montpellier  
2021 Benazir Peerally, University of Sorbonne, France  
2021 Zineddine Allaoua, University of Bourgogne Franche-Comté (Novolyze)  
2021 Adam Lahmar, University of Bourgogne Franche-Comté, France  
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 (currently PhD)  
2019 Axel Da Costa Sousa, University of Bourgogne Franche-Comté, France (CHU)  
2018 Marion Gaborit, University of Strasbourg (currently PhD INCI Strasbourg)  
2017 Mathilde Kobler (Medical student), University of Strasbourg, France  
2017 Maxime Meylan, University of Strasbourg (PhD 2022 Sorbonne University)  
2017 Sebastian Ciscars-Velazquez, University of Strasbourg, France  
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, University of Strasbourg (PhD 2021 ENS Paris-Scalay)  
2016 Jonathan Delevoeye, University of Strasbourg, France  
2016 Laura Durieux, University of Strasbourg (PhD 2021 LNCA Strasbourg)  
2016 Somasekhar Jayaram (currently PhD Geneva)

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

2023 Manon Lescutier, University of Bourgogne Franche-Comté, France  
2022 Rim Elmahjri, University of Bourgogne Franche-Comté, France  
2022 Marion Bouiller, University of Bourgogne Franche-Comté, France  
2022 Lola Tanneur, Magistère Européen de Génétique, Paris Diderot  
2021 Juliette Delmas, University of Bourgogne Franche-Comté, France  
2021 Juliette Henna, University of Bourgogne Franche-Comté, France  
2021 Salama Bou, University of Bourgogne Franche-Comté, France  
2021 Flavie Theveny, University of Bourgogne Franche-Comté, France  
2021 Suzie Lebee, University of Bourgogne Franche-Comté, France  
2021 Marie Thirion, University of Bourgogne Franche-Comté, France  
2021 Marity Dessolain, University of Bourgogne Franche-Comté, France  
2020 Gael Fleury, University of Bourgogne Franche-Comté, France  
2020 Gaspard Boursier, University of Bourgogne Franche-Comté, France  
2019 Nawal Yahiaoui, University of Strasbourg, France (MSc Institut Pasteur)  
2018 Clara Bonnet, University of Poitiers, France (currently PhD Institut Curie)  
2018 Paula Hahn, University of Strasbourg (currently PhD Karolinska Institutet)  
2018 Maria Ossipenko, University of Strasbourg, France (MSc 2021)  
2017 Sophie Lottiaux, University of Strasbourg, France (Clinical Manager Lyon)  
2016 Dylan Huynh, University of Strasbourg, France (MSc 2019)  
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)

### **Graduated Intern students**

2022	Khadija Bayou, University of Bourgogne Franche-Comté, France
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
2017	Emeline Aguilar, University of Strasbourg, France
2016	Mariane Litt, University of Strasbourg, France (Transgene)
2016	Saranya Ott, University of Strasbourg, France
2016	Léo Gagliardi, University of Strasbourg, France (Syngenta)
2015	Kevin Navarro (Manager Account, Lausanne)

### **Student Assistants**

2015	Mélina Gailly
2015	Isabelle Herr
2015	Amandine Delay
2015	Livia Chrast (Medical student)
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 ACTIVITIES**

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Since 2021	University of Bourgogne Franche-Comté, Neuroanatomy MSc, Besancon
Since 2020	University of Bourgogne Franche-Comté, Neurosignalisation MSc, Dijon
Since 2012	Pasteur Institute, annual 2-hour lecture in Neurogenetics, Paris, France
2019	Broad audience lecture on " <i>Brain Development in Children</i> ", Dijon, France
2018	Next generation sequencing, Cambridge, United Kingdom
2016	ITMO School in Translational Research in Neurosciences, Bordeaux, France
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
2011	University of Lausanne, practical course in Molecular Biology, Switzerland
2001	4-months teaching in Genetics, European funded project, West Africa

### **INVITED CONFERENCES**

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2022	20 <sup>th</sup> Anniversary ICS, Strasbourg, France, <b>Talk</b>
2021	International Research Consortium on Corpus Callosum, Brazil, <b>Talk</b> (online)
2019	3 <sup>rd</sup> Meeting Gene Expression and Epigenome, Strasbourg, France, <b>Talk</b>
2018	33 <sup>rd</sup> International Mouse Genome Conference, USA, <b>Mary Lyon Award Talk</b>
2018	International Research Consortium on Corpus Callosum, California, USA, <b>Talk</b>
2017	Advancing Personalised Medicine with Animal Models, Athens, Greece, <b>Talk</b>
2017	2 <sup>nd</sup> Functional annotation of genome-wide variants, Switzerland, <b>Talk</b>
2016	11 <sup>th</sup> International Meeting on CNV and Genes in Autism, Troina, Italy, <b>Talk</b>
2016	5 <sup>th</sup> International Mouse Phenotyping Consortium, Strasbourg, France, <b>Talk</b>
2013	6 <sup>th</sup> Colloque Belles Souris, Montpellier, France, <b>Talk</b>
2005	11 <sup>th</sup> International School on Neurogenetics, Bordeaux, France, <b>Talk</b>

### **SELECTED CONFERENCES**

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2022	35 <sup>th</sup> International Mouse Genome Conference, Vancouver, Canada, <b>Talk</b>
2022	35 <sup>th</sup> International Mouse Genome Conference, Vancouver, Canada, Posters (x5)
2022	International Research Consortium on Corpus Callosum, USA, <b>Talk</b> (online)
2022	FENS, Paris, France (presented by my students), Posters (x2)
2022	10 <sup>th</sup> Scientific Days on Autophagy, CFATG10, Besancon, France, Poster
2022	54 <sup>th</sup> European Society of Human Genetics, Vienna, Austria, Poster and <b>Talk</b>
2022	11 <sup>th</sup> Assises de Génétique Humaine et Médicale, Rennes, France, <b>Talk</b>
2022	11 <sup>th</sup> Assises de Génétique Humaine et Médicale, Rennes, France, Posters (x3)
2021	10 <sup>th</sup> Anniversary IMPC, Prague, Poster (online)
2021	54 <sup>th</sup> European Society of Human Genetics, Poster (online) ( <b>Best Poster Award</b> )
2021	2 <sup>nd</sup> NeuroFrance Meeting, Strasbourg (presented by my student), Poster (online)
2020	3 <sup>rd</sup> The Allied Genetics Conference, Washington D.C., USA, Poster (online)
2020	10 <sup>th</sup> Assises de Génétique Humaine et Médicale, Tours, France, Poster
2019	Club Neuro-génétique Nancy, <b>Talk</b>
2019	69 <sup>th</sup> American Society of Human Genetics, Houston, USA, Poster
2019	1 <sup>st</sup> NeuroFrance International Meeting, Marseille, France, Poster
2018	1 <sup>st</sup> Advances in Neurodevelopmental Disorders, Strasbourg, France, Poster
2017	31 <sup>st</sup> International Mouse Genome Conference, Heidelberg, Germany, Poster
2017	50 <sup>th</sup> European Society of Human Genetics, Copenhagen, Denmark, <b>Talk</b>
2016	1 <sup>st</sup> Genomics of Brain Disorders, Hinxton, United Kingdom, Poster & <b>Talk</b>
2015	65 <sup>th</sup> American Society of Human Genetics, USA, Poster & <b>Talk</b> (+ Award)
2015	17 <sup>th</sup> International Cognitive Disorders Workshop, Strasbourg, France, <b>Talk</b>
2015	2 <sup>nd</sup> Symposium Molecular Basis of Mental Disorder, Switzerland, Poster
2015	48 <sup>th</sup> European Society of Human Genetics, Glasgow, Scotland, <b>Talk</b>
2015	2 <sup>nd</sup> Gencodys Conference, Chania, Crete, <b>Talk</b>
2015	10 <sup>th</sup> International Meeting on CNV and Genes in Autism, Italy, <b>Talk</b>
2014	7 <sup>th</sup> Personal Genomes: Discovery, Treatment & Outcomes, CSH, USA, <b>Talk</b>
2014	28 <sup>th</sup> International Mouse Genome Conference, Maine, USA, <b>Talk</b>
2014	64 <sup>th</sup> American Society of Human Genetics, San Diego, USA, Poster
2014	10 <sup>th</sup> Neurogenetics Symposium, Strasbourg, France, <b>Talk</b>
2014	6 <sup>th</sup> Meeting of the International Society for CSF Disorders, Bristol, UK, <b>Talk</b>
2013	1 <sup>st</sup> Neurosciences Meeting, Dijon, France, <b>Talk</b>
2013	1 <sup>st</sup> Gencodys Conference, Pathos, Cyprus, Poster
2012	11 <sup>th</sup> Complex Trait Consortium Meeting, Pasteur Institute, Paris, France, <b>Talk</b>
2011	1 <sup>st</sup> Mouse Genetics Conference, Washington D.C., USA, Poster
2010	5 <sup>th</sup> Jacques Monod Conference on Cognition, Roscoff, France, Poster
2009	8 <sup>th</sup> Complex Trait consortium Meeting, Manchester, United Kingdom, <b>Talk</b>
2007	2 <sup>nd</sup> Genes and Behavior Meeting, Oxford, United Kingdom, Poster
2003	17 <sup>th</sup> International Mouse Genome Conference, Braunschweig, Germany, <b>Talk</b>
2003	2 <sup>nd</sup> Complex Trait Consortium Meeting, Oxford, United Kingdom, <b>Talk</b>

## **SELECTED SEMINARS**

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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
2016	Imagine, Paris, France
2015	Medical Research Council (MRC) Harwell, Oxfordshire, United Kingdom
2015	Wellcome Trust Sanger Institute, Cambridge, United Kingdom
2015	European Molecular Biology Laboratory (EMBL) Monterotondo, Rome, Italy

## **PEER REVIEW ACTIVITIES**

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	<b>Editorial board member</b>
2018-present	Frontiers in Genetics (Frontiers)

### **Expert reviewer of journals**

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  
2012 BMC Genomics  
2012 PLOS One  
2012 BMC Research Notes  
2011 Nature Genetics  
2011 Trends in Genetics

### **Expert reviewer of grants**

2023-present ANR  
2022-present MRC  
2020-present 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**

2017 Rapporteur, University of Strasbourg, France (J. Godin)  
2015 Rapporteur, University of Pierre and Marie Curie, France (M. Groszer)

### **PhD thesis committees**

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 Institut, 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**

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2021-present	Abstract scoring for the <i>IMGS</i>
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	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	Invited 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**

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	<b>Online articles</b>
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” <a href="https://www.u-bourgogne.fr/actualites-de-la-recherche/des-methodes-innovantes-de-recherche-sur-les-maladies-du-neurodeveloppement.html">https://www.u-bourgogne.fr/actualites-de-la-recherche/des-methodes-innovantes-de-recherche-sur-les-maladies-du-neurodeveloppement.html</a>
2021	Wellcome Sanger Institute News article by Communications Team “Loss of gene linked to differences in brain size” <a href="https://www.sanger.ac.uk/news_item/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/</a>
2021	Inserm Press Release “L’absence de MAGEE2 : une mutation bénéfique” <a href="http://www.est.inserm.fr/actualites/l-absence-de-magee2-une-mutation-benefique">http://www.est.inserm.fr/actualites/l-absence-de-magee2-une-mutation-benefique</a>
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” <a href="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">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</a>
2020	33 <sup>rd</sup> international mammalian genome conference: meeting highlights “Yalcin’s work provides an important resource for both the mouse and human genetics and neuroscience communities”. <a href="https://link.springer.com/article/10.1007/s00335-020-09830-8">https://link.springer.com/article/10.1007/s00335-020-09830-8</a>
2019	University of Strasbourg, France “Brain development: 198 essential genes identified” <a href="http://www.recherche.unistra.fr/index.php?id=30518">http://www.recherche.unistra.fr/index.php?id=30518</a>
2019	University of Bourgogne Franche-Comté, France “198 genes essential for brain development” <a href="https://www.u-bourgogne.fr/non-categorise/brouillon-auto.html-40">https://www.u-bourgogne.fr/non-categorise/brouillon-auto.html-40</a>
2017	Advancing personalized medicine with animal models <a href="D2.3_Report_on_2nd_INFRAFRONTIER_Stakeholder_Meeting-1.pdf">D2.3_Report_on_2nd_INFRAFRONTIER_Stakeholder_Meeting-1.pdf</a>
2017	Une année avec le CNRS en Alsace “Cognitive and intellectual disabilities are caused by genetic mutations” <a href="https://www.alsace.cnrs.fr/sites/delegation_dr10/files/page/2020-08/2017_une-annee_VF.pdf">https://www.alsace.cnrs.fr/sites/delegation_dr10/files/page/2020-08/2017_une-annee_VF.pdf</a>
2017	Discovery of WDR47 gene essential for the development of the brain <a href="http://www.igbmc.fr/society/actualite/261/">http://www.igbmc.fr/society/actualite/261/</a>
	<b>News feature Nature Communications</b>
2019	<a href="https://www.nature.com/collections/mjkkslsdr/content/jerome-staal">https://www.nature.com/collections/mjkkslsdr/content/jerome-staal</a>



### 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

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- 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

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- 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 January 2023)

### LINKS

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

### OVERVIEW OF PUBLICATIONS

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Total publication	<b>43</b>
Original articles	<b>39</b>
Review articles	<b>3</b>
Book Chapter	<b>1</b>
Correspondence/last authorships	<b>16</b>
First authorships	<b>9</b>
Invited authorships	<b>8</b>
H-index (Google scholar)	<b>22</b>
i10 index (Google scholar)	<b>33</b>
Sum of the times cited (Google scholar)	<b>4989</b>
Category Normalised Citation Impact	<b>3.2</b>
11% of publications in Top 1%, 40% in Top 10%	

Top science journals: *Cell* (x1), *Nature* (x2), *Nature Genetics* (x2), *Nature Communications* (x3), *Genome Biology* (x4)

39 Original Articles

- 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].
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- 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].
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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.

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- 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.
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- 2016 Mikhaleva A, Kannan M, Wagner C, **Yalcin B\***. High-throughput morphological phenotyping of the mouse brain. **Current Protocols in Mouse Biology**. 2016 [\*Invited].
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- 2011 **Yalcin B**, Wong K, Agam A, Goodson M, Keane T, Gan X, Nellåker C, Goodstadt L, Nicod J, Bhomra A, Hernandez-Pliego P, Whitley H, Cleak J, Dutton R, Mott R, Adams D, Flint J. Sequence based characterization of structural variation in the mouse genome. **Nature**. 2011, 477(7364):326-9.
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2008 Munafò MR, **Yalcin B**, Willis-Owen SA, Flint J. Association of the dopamine D4 receptor (DRD4) gene and approach-related personality traits: meta-analysis and new data. **Biological Psychiatry**. 2008, 63: 197-206.

Fullerton J, Willis-Owen SA, **Yalcin B**, Shifman S, Copley RR, Miller S, Bhomra A, Davidson S, Oliver PL, Mott R, Flint J. Human-mouse quantitative trait locus concordance and the dissection of a human neuroticism locus. **Biological Psychiatry**. 2008, 63: 874-883.

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### 3 Review Articles

2014 Keane TM, Wong K, Adams DJ, Flint J, Reymond A, **Yalcin B\***. Identification of structural variation in mouse genomes. **Frontiers in Genetics**. 2014, 5:19 [\*Invited and Correspondence].

2012 **Yalcin B\***, Adams D, Flint J, Keane T. Next-generation sequencing of experimental mouse strains. **Mammalian Genome**. 2012, 23(9-10):490-8 [\*Invited and Correspondence].

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### 1 Book Chapter

2022 Collins SC and **Yalcin B\***. Translational research methods in neurodevelopment disorder. **Springer** [\*Invited and Correspondence].