

CURRICULUM VITAE

NAME	Alessandra Pierani																																			
PRESENT ADDRESS	<p>Team Genetics and Developpement of the cerebral cortex Université Paris Descartes CENTER of PSYCHIATRY AND NEUROSCIENCE, INSERM UMR 894 102-108 Rue de la Santé, 75014 PARIS, FRANCE Tel : + 33 (0) 1 40 78 92 62 INSTITUT IMAGINE 24 Boulevard du Montparnasse, 75015 PARIS, FRANCE Tel: +33 (0) 1 42 75 45 67 email: alessandra.pierani@inserm.fr</p>																																			
EDUCATION	<table><tr><td>2017-present</td><td>Director of Research (DR1)</td><td>Institut Imagine and Center of Psychiatry and Neuroscience, Paris</td></tr><tr><td>2011-2017</td><td>Director of Research (DR1)</td><td>Institut Jacques Monod, Paris</td></tr><tr><td>2006-2011</td><td>Director of Research (DR2)</td><td>Institut Jacques Monod, Paris</td></tr><tr><td>2002-2006</td><td>CR1</td><td>Ecole Normale Supérieure, Paris</td></tr><tr><td>2002</td><td>HDR</td><td>Université Paris XI</td></tr><tr><td>1996-2001</td><td>Visiting Scientist</td><td>Columbia University, New York</td></tr><tr><td>1993-1996</td><td>Junior Scientist (CR1 CNRS)</td><td>Institut Curie, Paris</td></tr><tr><td>1990-1994</td><td>Ph.D., Biology</td><td>Université Paris XI</td></tr><tr><td>1990-1993</td><td>Postdoctoral Fellow</td><td>Institut Curie, Paris</td></tr><tr><td>1987-1990</td><td>Postdoctoral Fellow</td><td>The Rockefeller University, New York</td></tr><tr><td>1981-86</td><td>Ph.D., Biology</td><td>University of Florence, Italy</td></tr></table>			2017-present	Director of Research (DR1)	Institut Imagine and Center of Psychiatry and Neuroscience, Paris	2011-2017	Director of Research (DR1)	Institut Jacques Monod, Paris	2006-2011	Director of Research (DR2)	Institut Jacques Monod, Paris	2002-2006	CR1	Ecole Normale Supérieure, Paris	2002	HDR	Université Paris XI	1996-2001	Visiting Scientist	Columbia University, New York	1993-1996	Junior Scientist (CR1 CNRS)	Institut Curie, Paris	1990-1994	Ph.D., Biology	Université Paris XI	1990-1993	Postdoctoral Fellow	Institut Curie, Paris	1987-1990	Postdoctoral Fellow	The Rockefeller University, New York	1981-86	Ph.D., Biology	University of Florence, Italy
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AWARDS	<table><tr><td>2012</td><td>Prix Foulon Académie des Sciences France</td></tr><tr><td>2013</td><td>“Equipe FRM 2013” award from the French Research Medical Foundation</td></tr><tr><td>2006</td><td>Laureat Ville de Paris</td></tr><tr><td>1999</td><td>ATIPE-CNRS grant</td></tr><tr><td>1994</td><td>Graduated cum laude with Ph.D in Biology</td></tr><tr><td>1991-1993</td><td>EEC Research Fellowship</td></tr><tr><td>1990-1991</td><td>NATO-CNR Research Fellowship</td></tr><tr><td>1988-89</td><td>AIRC USA Fellowship</td></tr><tr><td>1987-88</td><td>World Health Organization Fellowship</td></tr><tr><td>1986-87</td><td>AIRC Italian Fellowship</td></tr><tr><td>1986</td><td>Graduated cum laude with Ph.D in Biology</td></tr></table>			2012	Prix Foulon Académie des Sciences France	2013	“Equipe FRM 2013” award from the French Research Medical Foundation	2006	Laureat Ville de Paris	1999	ATIPE-CNRS grant	1994	Graduated cum laude with Ph.D in Biology	1991-1993	EEC Research Fellowship	1990-1991	NATO-CNR Research Fellowship	1988-89	AIRC USA Fellowship	1987-88	World Health Organization Fellowship	1986-87	AIRC Italian Fellowship	1986	Graduated cum laude with Ph.D in Biology											
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RESEARCH EXPERIENCE	<p>2017-present Principal Investigator, Director of Research (DR1) CNRS, Institut Imagine and Center of Psychiatry and Neuroscience, Paris. Molecular control of cerebral cortical development, evolution and pathology.</p> <p>2006-2017 Principal Investigator, Director of Research (DR2 then DR1 since 2011) CNRS, Institut Jacques Monod. Molecular control of cerebral cortical development and evolution.</p> <p>2002-2006 Principal Investigator, ENS, Dr. Wassef's laboratory. Molecular control of cell fate allocation and function in the embryonic and adult telencephalon.</p> <p>1996-2001 Visiting Scientist, Columbia University, Dr. Jessell's laboratory. Molecular control of interneurons generation and function during spinal cord development.</p> <p>1995 Cold Spring Harbor Course on "Developmental Neurobiology" (New York).</p>																																			

1990-1996	Research Fellow, since 1993 CR1 CNRS, Institut Curie, Dr. Calothy's laboratory. Tissue specific and developmental regulation of transcription of the QR1 gene in the developing neural retina.
1987-1990	Postdoctoral Fellow, The Rockefeller University, Dr. Roeder, Advisor. Molecular and functional characterization of the ubiquitous octamer transcription factor OTF-1 and associated proteins.
1986-87	Postdoctoral Fellow, C.N.R., Dr. Righi, Advisor. Expression and rearrangements of oncogenes in Radiation Leukemia Virus induced murine T cell lymphomas.
1986	Molecular identification of HPV types in tumors in patients upon treatment with interferon.
1986	EMBO Practical Course " Genetic Engineering- Basic Techniques", (Galway).
1984-86	Graduate Thesis Research, CNR, Center of Cytopharmacology, Univ. of Milan, Dr. Ricciardi Castagnoli and Dr. Righi advisors. Cooperativity between oncogenes in immortalizing primary macrophages by transfection-induced recombination of retroviruses.
1983	Graduate research in the Laboratory of Radiobiology, Univ. of Florence, Prof. Becciolini advisor. Enzymology of hepatic and gastric tumors during radiation treatment.

SCIENTIFIC SUPERVISING ACTIVITIES

2017-present	A. Cwetsch, Post-doctoral fellow
2017-present	M. Moreau, Master student, IMaLiS ENS
2017-present	M. Riva, M2 student, Univ. Milano-Bicocca/Univ. Paris Diderot
2016-present	V. Medvedeva, Post-doctoral fellow
2016-2017	A. Benabdelkrim, Post-doctoral fellow
2016	C. Ciani, ERASMUS student, Università di Trieste, Italy
2015	J. Mercier, M1 student, Med.Sci. Univ. Paris Descartes/Paris Diderot
2015	Q. Delas, M2 student, UPMC/IBENS
2014	C. Mariet, M1 student, Univ. Paris Descartes/Med.Sci
2014-present	H. Kaddour, Post-doctoral fellow
2014-present	Y. Cui, PhD student, UPMC/Collège de France (Touboul and Pierani supervisors)
2014	H. Simon Lepetit, M2 student, Univ. Paris Descartes/ Paris Diderot
2014-2017	I. Sumia, PhD student, Univ. Paris Diderot
2014	I. Sumia, M2 student, UPMC
2014	Y. Cui, M2 student, UPMC/Collège de France (Touboul and Prochiantz supervisors)
2013-2017	F. Ledonne, PhD student, Univ. Paris Diderot
2013	I. Sumia, M1 student, UPMC
2012-present	E. Coppola, Lecturer (MCF) Université Paris Diderot
2012	F. Ledonne, M2 student, UMP
2012	K. Brandao, ERASMUS, Université Libre de Bruxelles
2012-2015	B. Freret-Hodara, PhD student, Univ. Paris Diderot
2011-2015	A. Dutriaux, technical assistant (IE), Université Paris Diderot
2011	M. Courgeon, M2 student, Univ. Paris Diderot
2011-2015	Y. Arai, Post-doctoral fellow
2011	B. Freret-Hodara, M2 student, Univ. Paris Diderot
2010-2014	M. Barber, Post-doctoral fellow
2010	M. Courgeon, undergraduate student
2010	M. Burel, undergraduate student
2009-2010	A. Griveau, Post-doctoral fellow
2008-2009	T. de Couville, M2 student, Univ. Paris VI
2008-2011	U. Borello, Post-doctoral fellow
2007-present	F. Causeret, Post-doctoral fellow, INSERM CR2
2007-present	L. Vigier, technical student ESTBA then technical assistant (AI) (CNRS since 2012)

2007	A. Espinosa-Martinez, Ph.D student, University of Alicante, Spain, allocataire Spanish Ministry
2006-2011	A. Teissier, Ph.D student, Univ. Paris VII/ENS Cachan, allocataire MRT
2006-2011	S. Karaz, technical assistant
2005	A. Teissier, Master (M2) student, Univ. Paris VII/ENS
2005-2009	A. Griveau, Ph.D student, Univ. Paris VI, allocataire MRT
2004	A. Griveau, M2 student, Univ. Paris VI
2004-2007	M. Ensini, Post-doctoral fellow
2003	F. Bielle, DEA student, Univ. Paris VI
2002-2003	S. Vigneau, DEA student, Univ. Paris VI
1992-1996	C. Pouponnot, Ph.D student, Univ. Paris VI, MRT
1991-1992	C. Pouponnot, DEA student, Univ. Paris VI, Institut Pasteur
1994-1995	J. Casado, Post-Doctoral Fellow
1994-1995	A. Peyroche, DEA student, Univ. Paris VII
1994-2001	O. Lecoq, N. Ruiz, J. Kirkland, technical assistants

TEACHING ACTIVITIES

- 2017 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2017 Université Paris Descartes, Médecine Sciences des Universités Paris Descartes-Paris Diderot
 2017 French-Argentine Course on Neurobiology, Mendoza (Argentina)
 2016 Université Paris Descartes, Médecine Sciences des Universités Paris Descartes-Paris Diderot
 2016 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology and Development
 2016 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2015 Université Paris Descartes, Médecine Sciences des Universités Paris Descartes-Paris Diderot
 2015 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology and Development
 2015 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2014 Université Paris Descartes, Médecine Sciences des Universités Paris Descartes-Paris Diderot
 2014 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology and Development
 2014 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2013 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology and Development
 2013 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2012 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2012 ENS, Lyon, Master de Biosciences "Développement et Cerveau"
 2012 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology and Development
 2012 Erasmus week Univ Paris 5/7 with Universitat de Barcelona, Master in Developmental Biology and Genetics, "Neural development and neurological or psychiatric disorders"
 2011 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2011 ENS, Lyon, Master de Biosciences "Développement et Cerveau"
 2011 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology and Development
 2010 ENS, Lyon, Master de Biosciences "Développement et Cerveau"
 2010 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2009 ENS, Lyon, Master de Biosciences "Développement et Cerveau"
 2009 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2009 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology

and Development
 2009 Stazione Zoologica A. Dohrn, Naples, "Brain Evolution" (Italy)
 2009 Université Pierre et Marie Curie Paris 6, Master de Biologie Intégrative et Physiologie,
 Mention Neurosciences
 2008 ENS, Lyon, Master de Biosciences "Développement et Cerveau"
 2008 ENS, Paris, Master de Biologie, Module de Développement du Système nerveux
 2008 Université D. Diderot Paris 7 et 5, Master Européen de Génétique, Cellular Neurobiology
 and Development
 2008 Université Pierre et Marie Curie Paris 6, Master de Biologie Intégrative et Physiologie,
 Mention Neurosciences
 2007 Université D. Diderot Paris 7, Master de Génétique
 2007 ENS, Paris, Master de Biologie
 2006 Université D. Diderot Paris 7, Master de Génétique
 2006 ENS, Paris, Master de Biologie
 2005 Université D. Diderot Paris 7, Master de Génétique
 2005 ENS, Paris, Master de Biologie
 2005 Kristineberg Marine Station, Sweden, "Construction of the brain-Development
 and Evolutionary Principles: Evolution of brain structure and function" (Sweden)
 2004 Université P. et M. Curie, Paris 6, Master de Sciences et Technologies
 2004 ENS, Paris, Master de Biologie
 2004 Kristineberg Marine Station, Sweden, Construction of the brain- Development
 and Evolutionary Principles: Synaptogenesis and Neuronal network formation (Sweden)
 2003 ENS, Paris, Module de Biologie du Développement.

FINANCIAL SUPPORT (A. Pierani as coordinator unless specified)

2018-2021	Fondation de France-Maladies psychiatriques 2017 (collaboration Pr. Krebs)
2018-2020	Association française du Syndrome de Rett
2015-2019	ANR Programme Appel à projets générique 2015, AAP Neuro (collaboration Dr. Garel and Angulo)
2014-2015	ANR Blanc – Accords bilatéraux 2013 (coordinator Dr. Prochiantz)
2013-2016	Projet Idex Sorbonne Paris Cité (collaboration Dr. Angulo)
2013-2017	Equipe FRM
2012-2014	Projet ARC
2012-2014	Fédération pour la Recherche sur le Cerveau (FRC)
2011-2015	ANR Blanc-Neurosciences
2011-2013	FRM Financement d'un Ingénieur
2008-2010	ARC Subvention Fixe
2008-2011	ANR « Neurosciences, neurologie et psychiatrie »
2007-2010	Subvention Ville de Paris
2006	Subvention FRM pour l'Implantation d'une Nouvelle Equipe
2006-2008	ANR « Neurosciences, neurologie et psychiatrie »
2005-2007	STREP, European Community 6th Framework Programme
2002-2004	ARC Subvention Fixe
2002-2004	ACI « Biologie du Développement et Physiologie Intégrative »

CONFERENCE INVITED SPEAKER

(International Meetings in bold)

1990 Institut Pasteur (Paris)	1995 Conférence J. Monod (Aussois)
1990 Institut Curie (Orsay)	1995 Columbia Univ. (New York, USA)
1992 Institut Pasteur (Lille)	1995 Center of Cytopharmacol. (Milan, Italy)
1992 Ecole Normale Supérieure (Lyon)	1995 Institut Jacques Monod (Paris)
1992 Ecole Normale Supérieure (Paris)	1996 Ecole Normale Supérieure (Paris)
1992 Institut Cochin Genetique Mol. (Paris)	1997 Institut Pasteur (Lille)
1994 Institut Recherche Cancer (Villejuif)	1997 Ecole Normale Supérieure (Paris)
1994 Univ. of Washington (Seattle, USA)	1997 Centre Biologie du Develop. (Toulouse)

- 1997 Mount Sinai Medical Center (New York)
 1998 Institut Jacques Monod (Paris)
 1999 Institut Cochin de Génétique Mol. (Paris)
 2001 Columbia University (New York, USA)
 2001 La Sapienza University (Rome, Italy)
2001 Segerfalk Symposium (Ystad, Sweden)
2001 IIGB Meeting (Capri, Italy)
2002 IBRO Workshop (Debrecen, Hungary)
 2002 EMBL (Monterotondo, Rome, Italy)
 2002 Biozentrum (Basel, Switzerland)
 2002 Institut Curie (Paris)
2003 Symposium Neuroscience Soc. (Rouen)
 2003 University of Murcia (Murcia, Spain)
 2003 Univ. M. Hernández (Alicante, Spain)
2004 The Physiol. Society Symposium (Glasgow, UK)
 2004 NAK Course (Fiskensbackskil, Sweden)
 2004 Centre Biologie du Développement (Toulouse)
 2004 Hôpital Salpêtrière (Paris)
 2005 Institut du Fer-à-Moulin (Paris)
 2005 Institut Cochin (Paris)
 2005 NIMR (London, UK)
 2005 Institut Jacques Monod (Paris)
 2005 Université Pierre et Marie Curie (Paris)
 2005 Univ. M. Hernández (Alicante, Spain)
 2005 IGBMC (Strasbourg)
2006 America Physiological Society FEBS Experimental Biology (San Francisco, USA)
2007 Fifth European Conference on Comparative Neurobiology (Paris, France)
 2007 Instituto Cajal (Madrid, Espagne)
 2007 Hôpital Salpêtrière (Paris)
 2007 Institut de Neurobiol. A. Fessard (Gif-sur-Yvette)
2007 FEBS Workshop "Generating Neural Diversity in the Brain" (Capri, Italy)
2007 American Society for Neuroscience, (San Diego, USA)
 2007 Institut de Transgenose, Orleans
2008 International Society Developmental Biologists Meeting (Tokushima, Japan)
 2008 RIKEN Brain Science Institute (Tokyo, Japan)
 2008 Tohoku University (Sendai, Japan)
2008 Cortical development Meeting (Chania, Greece)
 2008 Université Libre de Bruxelles (Bruxelles, Belgium)
 2008 Instituto Cajal, Madrid, Spain
2008 Forum of European Neuroscience (Geneva, Switzerland)
 2009 Colloque de Recherche Biomédicale ANR Bilan Programmes 2005 (Paris)
2009 Developmental Origin of Neurological Disorders (Baeza, Spain)
2010 Symposium on Cortical Development and Evolution (Alicante, Spain)
2010 2nd Joint Meeting SFBD and JSDB, Institut Pasteur (Paris)
- 2010 Institut du Fer-à-Moulin (Paris)
2011 Symposium Collège de France (Paris)
2011 The Belgian Society for Cell and Dev. Biology (Rochefort, Belgium)
2012 19th Biennial Meeting ISDN (Mumbai, India)
 2012 Collège de France (Paris)
 2012 University of Oxford (Oxford, UK)
 2012 Institut de Neurobiol. A. Fessard (Gif-sur-Yvette)
 2012 The University of Queensland (Brisbane, Australia)
2012 International symposium on organization and function of the nervous system (The University of Tokyo, Japan)
 2012 Riken Center for Developmental Biology (Kobe, Japan)
 2012 Keio University (Tokyo, Japan)
2012 Symposium on "Neural Diversity and Neocortical Organization" (Tokyo, Japan)
2013 Symposium FRC, 11^e Colloque de la Société des Neurosciences (Lyon)
2013 International Symposium "Neocortical Organization III" (Okazaki, Japan)
 2013 Tohoku University (Sendai, Japan)
2013 ASCB Annual Meeting (New Orleans, USA)
 2013 Université de Liège (Belgium)
2014 Cortical development Meeting (Chania, Greece)
2014 FENS (Milan, Italy)
 2014 Institut du Cerveau et de la Moelle épinière (ICM) (Paris)
2014 ANR-MST Taiwan Symposium (Paris)
2015 Cortical Development in Health and Disease, Embo Workshop (Rehovot, Israel)
 2015 University Paris Descartes (Paris)
2015 The Belgian Society of Cell and Developmental Biology (Liège, Belgium)
 2015 Institute of Genetics and Biophysics "Adriano Buzzati-Traverso" CNR (Naples, Italy)
 2016 Institute of Science and Technology, (Vienna, Austria)
2016 International Neuroscience Winter Conference (Soden, Austria)
 2016 NeuroPsi Paris Saclay Institute (Gif-sur-Yvette)
 2016 Academia Sinica (Taipei, Taiwan)
 2016 Imagine Institute (Paris)
 2016 Brain Research Institute, University of Zurich (Switzerland)
 2017 Grenoble Institut des Neurosciences (France)
2017 Cortical Development Meeting (Chania, Greece)
2017 Brain Conference on Cortex Evolution and Development FENS (Copenhagen, Denmark)
2017 The Belgian Society of Cell and Developmental Biology (Brussels, Belgium)
2017 The genetic and neurobiological basis of brain evolution (Fondation des Treilles, France)

SCIENTIFIC AND ADMINISTRATIVE RESPONSIBILITIES

- Scientific Supervisor: Ph.D:8 (5 already graduated, undergraduate students:21, postdoctoral fellows:13, technicians:6.
- Jury de thèses, EPHE, HDR: 30 (rapporteur)
- Scientific Tutor: 18 Mid-Thesis; 20 Master 1; 2 INSERM Researchers
- Jury de Concours: CNRS (2 for IR and AI technical staff); Lecturer UMPc (1)
- Jury Internships M2 Master de Sciences & Technologies, UPMC
- Reviewer over 20 international journals (among which Science, Neuron, Nat Neurosci, J. Neurosci., Development, EMBO J., Cerebral Cortex, Developmental Biol., European J. Neuroscience, Neural Dev., Frontiers in Neural Circuits, International J. Developmental Neuroscience, PLoS One, Dev. Growth and Diff., Mol. Cell. Neuro, eLife)
- Reviewer for 15 granting agencies: EU, HFSP, MRC, FRM, AFM, ICS, CINECA (Italy), Council for the Earth and Life sciences (ALW, The Netherlands), ANR, Index, Australian Research Council, FNRS, PSL
- Evaluation Graduate Program Application Students École des Neurosciences de Paris Île-de-France (ENP)
- 2010-2012 Scientific Director of the Animalerie Buffon (CNRS-Université Paris Diderot)
- Elected Member of the new Team Recruitment Committee at the Institut Jacques Monod
- Selected Member of the École des Neurosciences de Paris Île-de-France (ENP)
- Member of the Scientific Commission of FRC

INTERACTIONS WITH THE SOCIAL ENVIRONMENT

Participation in « **Speed Sciences 2012** » Academy of Sciences (Paris, France), « **Speed Sciences 2014** » and « **Speed Sciences 2016** ».

PUBLICATIONS

Gard C., Curto G.G., Frarma Y., Chollet E., Duval N., Auzié V., Auradé F., Vigier L., Relaix F., Pierani A., Causeret F.*., Ribes V.*. Pax3- and Pax7-mediated Dbx1 regulation orchestrates the patterning of intermediate spinal interneurons. *Developmental Biology* (2017), 432, 24-33. * Co-corresponding-authors

Ledonne F., Orduz D., Mercier J., Vigier L., Grove E.A., Tissir F., Angulo M.C., **Pierani A.** and **Coppola** E. Targeted inactivation of Bax reveals subtype-specific mechanism of Cajal-Retzius neuron death in the postnatal cerebral cortex. *Cell Reports* (2016), 17, 3133–3141.

de Frutos C. A., Bouvier G., Arai Y., Thion M., Lokmane L., Keita M., Garcia-Dominguez M., Charnay P., Hirata T., Riethmacher D., Grove E.A., Tissir F., Casado M., **Pierani A.** and Garel S. Reallocation of olfactory Cajal-Retzius cells shapes neocortex architecture. *Neuron* (2016), 92, 435-448.

Freret-Hodara B., Cui Y., Griveau A., Vigier L., Arai Y., Touboul J. and **Pierani A.** Enhanced abventricular proliferation compensates cell death in the embryonic cerebral cortex. *Cerebral Cortex* (2016) Sept 12; doi: 10.1093/cercor/bhw264.

Karaz S.#, Courgeon M. #, Lepetit H., Bruno E., Pannone R., Tarallo A., Thouzé F., Kerner P., Vervoort M., **Causeret F.**, **Pierani A.** and **D'Onofrio G.** Neuronal fate specification by the Dbx1 transcription factor is linked to the evolutionary acquisition of a novel functional domain. *Evodevo* (2016) Aug 12; doi: 10.1186/s13227-016-0055-5. eCollection 2016.

Ohtaka-Maruyama C., Nakajima K., Pierani A., Maeda N. Editorial: Mechanisms of Neuronal Migration during Corticogenesis. *Front Neurosci.* (2016), 10:172. doi: 10.3389/fnins.2016.00172. eCollection 2016.

Causeret F. and **Pierani A.** Quand la migration de neurones signalisateurs contrôle la régionalisation du cortex cérébral. *Med Sci (Paris)* (2016), 32, 317–319.

* **Barber, M.** and **Pierani, A.** Tangential migration of glutamatergic neurons and cortical patterning during development: lessons from Cajal-Retzius cells. Review. *Developmental Neurobiology* (2015), Nov 18. doi: 10.1002/dneu.22363. [Epub ahead of print]

Puelles, L., Medina, L., Borello, U., Legaz, I., Teissier, A., **Pierani, A.** and Rubenstein, J. L. Radial derivatives of the mouse ventral pallium traced with Dbx1-LacZ reporters. *J Chem Neuroanat.* (2015), Dec 31. pii: S0891-0618(15)00103-9. doi: 10.1016/j.jchemneu.2015.10.011. [Epub ahead of print]

Thelie, A., Desiderio, S., Hanotel, J., Quigley, I., Van Driessche, B., Rodari, A., Borromeo, M., Kricha, S., Lahaye, F., Croce, J., Cerdá-Moya, G., Ordóñez Fernandez, J., Bolle, B., Lewis, K., Sander, M., **Pierani, A.**, Schubert, M., Johnson, J., Kintner, C., Pieler, T., Van Lint, C., Henningfeld, K., Bellefroid, E. and Van Campenhout, C. Prdm12 specifies V1 interneurons through cross-repressive interactions with Dbx1 and Nkx6 genes in Xenopus. *Development* (2015), 142, 3416-28.

Barber, M., Arai, Y., Morishita, Y., Vigier, L., Causeret, F., Borello, U., Ledonne, F., Coppola, E., Contremoulin, V., Pfrieger, F.W., Tissir, F., Govindan, S., Jabaudon, D., Proux-Gillardeaux, V., Galli, T. and **Pierani, A.** Migration speed of Cajal-Retzius cells modulated by vesicular trafficking controls the size of higher-order cortical areas. *Current Biol.* (2015), 25, 2466-2478. Epub 2015 Sep 17.

Research Highlight in Nature Reviews Neuroscience (2015), 16, 644-645

Causeret, F., Sumia, I. and **Pierani A.** Kremen1 and Dickkopf1 control cell survival in a Wnt-independent manner. *Cell Death and Differentiation* (2015), Jul 24. doi: 10.1038/cdd.2015.100.

Sokolowski K., Esumi, S., Hirata T., Kamal Y., Tran T., Lam A., Zaghlula M., Brighthaupt, S-C., Martinez

J., Grimboski, S., Knoblauch, S., **Pierani A.**, Jones K., Tamamaki N., Shah N.M. and Corbin J.G. Specification of select hypothalamic circuits and innate behaviors by the embryonic patterning gene, *Dbx1*. *Neuron* (2015), 86, 403-416. Epub 2015 Apr 9.

Arbeille, E., Reynaud, F., Sanyas, I., Bozon, M., Kindbeiter, K., Causeret, F., **Pierani, A.**, Falk, J., Moret, F. and Castellani, V. Cerebrospinal fluid-derived Semaphorin3B orients neuroepithelial cell divisions in the apicobasal axis. *Nature Comms.* (2015), 6, 6366.

Trousse F., Poluch S., **Pierani A.**, Dutriaux A., Bock H.H., Nagasawa T., Verdier J.M. and Rossel M. CXCR7 Receptor Controls the Maintenance of Subpial Positioning of Cajal-Retzius Cells. *Cerebral Cortex* (2015), 25, 3446-3457. Epub 2014 Aug 1.

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Underlined publications were signed as corresponding author.

: equal contribution

* : review article or book chapter