

# CURRICULUM VITAE

## RELAIX Frédéric, PhD

Professor, Paris Est-Creteil University (UPEC)  
Vice-dean for research, *UPEC - Faculty of Medicine*  
Director, *IMRB Team 10 - Biology of the Neuromuscular system*  
Head, *Group 1 - Development and Stem cells*  
Director, *ESPRY Neuroscience & Psychiatry Department - IMRB*

### EDUCATION

- 2013**      **Habilitation**  
*Université Paris-Est. Creteil, France*
- 2011**      Autorisation Expérimentation Animale.
- 2005**      Habilitation à l'Expérimentation Animale de Niveau 1
- 1998**      **PhD in Molecular and cellular developmental biology**  
*Université Pierre et Marie Curie (PARIS VI). Paris, France.*  
Cloning and characterization of *Pw1*, a new gene coding for a zinc finger containing protein implicated in p53-mediated apoptosis and TNF pro-inflammatory activity.  
(Work done in the laboratory of D.S Sassoon, Mount Sinai School of Medicine, New York).
- 1994**      **Master's degree** in Molecular and cellular biology. *Université Louis Pasteur. Strasbourg, France*
- 1993**      **Bachelors' Degree** in Biochemistry, *Université Pierre et Marie Curie (PARIS VI). Paris, France.*
- 1992**      Licence de Biochimie, *Université Pierre et Marie Curie (PARIS VI). Paris, France.*
- 1991**      DEUG B, *Université Pierre et Marie Curie (PARIS VI). Paris, France.*

### ACADEMIC POSITIONS

- 2014**      **Full Professor (PU-PH, CNU section 42-02). UPEC – Université Paris Est Creteil**
- 2006**      **INSERM research Director (DR2)**
- 2004**      **INSERM research associate (CR1)**
- 2000**      **INSERM research associate (CR2)**

### RESEARCH EXPERIENCE

- 2019-**      **Professor of medicine, UPEC**  
**Vice-dean for research, Faculty of Medicine, UPEC**  
**Director of the team Biology of the neuromuscular system**  
IMRB – INSERM – UPEC. Creteil Henri Mondor School of Medicine, Creteil, France.
- 2015-2018**      **Professor of medicine, UPEC**  
**Director of the ESPRY research department, IMRB research center**  
**Director of the team Biology of the neuromuscular system**  
IMRB – INSERM – UPEC. Creteil Henri Mondor School of Medicine, Creteil, France.
- 2014**      **DR2 INSERM. Avenir Team Leader, Mouse Molecular Genetics group**  
UMR S 974 – CDR Myologie, INSERM – UPMC-Paris VI – Institut Myologie  
Faculté de Médecine Pitié-Salpêtrière, Paris, France
- 2006- 2013**      **DR2 INSERM. Avenir Team Leader, Mouse Molecular Genetics group**  
UMR S 787 – Groupe Myologie, INSERM – UPMC-Paris VI – Institut Myologie  
Faculté de Médecine Pitié-Salpêtrière, Paris, France
- 2004-2006**      **CR1 INSERM.** Supervisor: Pr. Margaret Buckingham. Pasteur Institute. Paris, France.
- 2000-2004**      **CR2 INSERM.** Supervisor: Pr. Margaret Buckingham. Pasteur Institute. Paris, France.
- 1998-2000**      **Post-doctoral fellow.** Supervisor: Pr. Margaret Buckingham. Pasteur Institute. Paris, France.  
Pax3 and Pax7 genes functions during mouse myogenesis

- 1995-1997**      **PhD thesis.** Supervisor: Pr. David Sassoon. The Mount Sinai Medical School, New York, USA. Cloning and characterization of Pw1, a new gene coding for a zinc finger containing protein implicated in p53-mediated apoptosis and TNF pro-inflammatory activity.
- 1993-1994**      **DEA thesis.** Supervisor: Pr. Pierre Remy. CNRS UPR 9005, "MMDCD", IBMC, Strasbourg, France. Study of 2 new POU domain transcription factors during CNS development in *Xenopus*.

## EDITORIAL ACTIVITIES

- Member** of the editorial Board of *Journal of Developmental Biology*  
**Member** of the editorial Board of *Stem Cell Investigation (SCI)*  
**Member** of the editorial Board of *Molecular and Structural Endocrinology*, a specialty of Frontiers in Endocrinology  
**Member** of the editorial board of *Journal of Embryology & Developmental Biology*  
**Member** of the editorial board of *NPJ regenerative medicine* journal  
**Member** of the editorial board of *Skeletal Muscle* journal  
**Member** of the editorial board of *Current Gene Therapy* journal  
**2019 - Guest Reviewing Editor**, *eLife*  
**2018 – Guest editor** *Journal of Developmental Biology* special issue - Conserved and Divergent Mechanisms Regulating Muscle Development and Regeneration  
**2015 - Guest editor** *Seminars in Cell & Developmental Biology* - Pax transcription factors

## AWARDS

- 2015 – Invited Professor**, Edith Cowan University, Perth, Australia  
**2015 – Scientific Organiser**, 19<sup>e</sup> journées du Collège des Histologistes Embryologistes Cytogénéticiens, Institut Pasteur, Paris, France  
**2014 – Co-organiser** of EMBO Conference "Molecular biology of muscle development and regeneration", Lecce, Italy.  
**2006 – INSERM AVENIR program laureate**  
**2006 – Scientific Prize** from La ligue des Yvelines  
**2000 – Fellowship** from La Fondation pour la Recherche Médicale  
**1999 – Fellowship** from l'Association Française contre les Myopathies  
**1998 – Fellowship** from La Ligue contre le Cancer

## STUDENT TRAINING

- 1997-1998**      **Ellen Yang**, PhD student  
Study on TNF $\alpha$  inhibition of skeletal myogenesis through a PW1-dependent pathway by recruitment of caspase pathways.
- 2003-2008**      **Mounia Lagha**, UPMC PhD student (co-directed with M. Buckingham)  
Identification and analysis of Pax3 targets during murine myogenesis.
- 2007-2012**      **Jessica Morais**, UPMC PhD student  
Identification and analysis of new factors involved in the acquisition of stem cell properties by muscle progenitor cells in the mouse.
- 2009-2014**      **Antoine Zalc**, UPMC PhD student. MyoGrad Network  
Pax3/7 function and downstream networks in cranio-facial development.
- 2012-2016**      **Despoina Mademtoglou**, UPMC PhD student. MyoGrad Network  
Coordinating growth arrest and myogenesis in muscle stem cells: A molecular and cellular analysis.
- 2015- 2019**      **Zeynab Koumaiha**, UPEC PhD student. MyoGrad Network  
Regulation of muscle stem cells by systemic alterations in obesity
- 2015-2019**      **Aurore Besse**, UPEC PhD student (co-directed with Martine Barkats)  
AAV-based therapy for SMA.
- 2015-2019**      **Jordan Mecca**, UPEC PhD student (co-directed with Martine Barkats)  
Role of SMN in skeletal muscle satellite cells.
- 2016-2019**      **Leo Machado**, UPEC PhD student. REVIVE Labex consortium  
Molecular regulation of epigenetic landscape during early muscle stem cell activation
- 2018-**              **Reem Abou Akar**, UPEC PhD student  
Deciphering Pax3 function in myogenic specification
- 2018-**              **Stamatia Gioftsi**, UPEC PhD student  
Molecular aspects of muscle stem cell quiescence establishment

## RESEARCH EVALUATION ACTIVITIES

Vice-dean for research, Faculty of Medicine, UPEC

Labex REVIVE steering committee member

Member of année recherche 2018 jury, Paris Descartes Faculty of Medicine

Member of Scientific Committee Magistère Européen de Génétique des Universités Paris Diderot & Paris Descartes

Member of HCERES committee for GReD research center, Clermont-Ferrand (01/2016)

Elected member of INSERM CSS2 (Genetics, development, oncogenesis, angiogenesis, muscle and aging)

Selection committees for Excellence chairs INSERM-University

Reviewer for scientific journals: Nature, Cell Stem Cell, Cell Metabolism, Science, Dev Cell, Cell Rep, Genes Dev, Elife, J Cell Biol, J Clin Invest, EMBO J, Dev Biol, Mol Basis Dis, Nat Ecol Evol, Nat Commun, Skelet Muscle, PNAS, Oncogene, Genomics, Development, Gene, Transgenic Res, Exp Cell Res, Genesis, J Morphol, JMB, Mol Rep Dev, Pigment Cell Mel Res, Differentiation, etc

Reviewer for project grants: AFM, ANR, COFUB, GACR, FDG, AICR, E-RARE, NMRC, PHRC, BQR, EMERGENCE, AXA, Agence biomédecine, ICS

## PATENTS AND RESEARCH VALORIZATION

Co-author of patent WO 2006/011061 PCT/IB2005/002561: Isolated muscle satellite cells, use thereof in muscle tissue repair and method for isolating said muscle satellite cells

Co-author of patent EP11305402.7. PCT/EP2012/056361: Identification of a specific skeletal muscle regulatory element

Co-author of patent FR 17 56222 of 30/06/2017: Process for the production of erythroid progenitors

## PUBLICATIONS (90 publications, 5775 citations, H-index 36)

Der Vartanian A, Quélin M, Michineau S, Auradé F, Hayashi S, Dubois C, Rocancourt D, Drayton-Libotte B, Szegedi A, Buckingham M, Conway SJ, Gervais M, **Relaix F.** (2019) PAX3 controls the adaptive response of skeletal muscle stem cells to environmental stress. **Cell Stem Cell**, pii: S1934-5909(19)30118-3. doi: 10.1016/j.stem.2019.03.019.

Reyes-Fernandez PC, Periou B, Decrouy X, **Relaix F**, Authier FJ. (2019) Automated image-analysis method for the quantification of fiber morphometry and fiber type population in human skeletal muscle. **Skelet Muscle**. 9(1):15. doi: 10.1186/s13395-019-0200-7.

Mademtoglou D, Asakura Y, Borok M, Alonso-Martin S, Mourikis P, Kodaka Y, Mohan A, Asakura A, **Relaix F.** (2018) Cellular localization of the cell cycle inhibitor Cdkn1c controls growth arrest of adult skeletal muscle stem cells. **Elife**. 7, pii: e33337. doi: 10.7554/eLife.33337.

Taglietti V, Angelini G, Mura G, Bonfanti C, Caruso E, Monteverde S, Le Carrou G, Tajbakhsh S, **Relaix F**, Messina G. (2018) RhoA and ERK signalling regulate the expression of the transcription factor Nfix in myogenic cells. **Development**. 145(21). pii: dev163956. doi: 10.1242/dev.163956.

Morgan JE, Prola A, Mariot V, Pini V, Meng J, Hourde C, Dumonceaux J, Conti F, **Relaix F**, Authier FJ, Tiret L, Muntoni F, Bencze M. (2018) Necroptosis mediates myofibre death in dystrophin-deficient mice. **Nat Commun**. 9(1):3655. doi: 10.1038/s41467-018-06057-9.

Alonso-Martin S, Auradé F, Mademtoglou D, Rochat A, Zammit PS, **Relaix F.** (2018) SOXF factors regulate murine satellite cell self-renewal and function through inhibition of  $\beta$ -catenin activity. **Elife**. 7, pii: e26039. doi: 10.7554/eLife.26039.

Baghdadi MB, Castel D, Machado L, Fukada SI, Birk DE, **Relaix F**, Tajbakhsh S, Mourikis P. (2018) Notch/CollagenV/CalcR reciprocal signalling retains muscle stem cells in their niche. **Nature**, 557(7707):714-718. doi: 10.1038/s41586-018-0144-9.

**Relaix F\***, Machado L. (2018) Waking up muscle stem cells: PI3K signalling is ringing. **EMBO J**. 37(8):pii: e99297. doi: 10.15252/embj.201899297. (\*corresponding author)

Hou C, Baba-Amer Y, Bencze M, **Relaix F**, Jérôme Authier F. (2018) [The effect of interferon-gamma on skeletal muscle cell

biology]. **Med Sci (Paris)**. 34 Hors série n°2:35-38. doi: 10.1051/medsci/201834s210.

Banerji CRS, Panamarova M, Hebaishi H, White RB, **Relaix F**, Severini S, Zammit PS. (2017) PAX7 target genes are globally repressed in skeletal muscle in Facioscapulohumeral muscular dystrophy. **Nat Commun**. (8):2152 doi: 10.1038/s41467-017-01200-4.

Machado L, Esteves de Lima J, Fabre O, Proux C, Legendre R, Szegedi A, Varet H, Ingerslev LR, Barrès R, **Relaix F\***, Mourikis P. (2017) In situ fixation redefines quiescence and early activation of skeletal muscle stem cells. **Cell Rep**. 21(7):1982-1993. doi: 10.1016/j.celrep.2017.10.080 (\*corresponding author) [Preview]

Vallecillo-García P, Orgeur M, Vom Hofe-Schneider S, Stumm J, Kappert V, Ibrahim DM, Börno ST, Hayashi S, **Relaix F**, Hildebrandt K, Sengle G, Koch M, Timmermann B, Marazzi G, Sassoon DA, Duprez D. and Stricker S. (2017) Odd skipped-related 1 identifies a population of embryonic fibro-adipogenic progenitors regulating myogenesis during limb development. **Nat Commun**. 8(1):1218. doi: 10.1038/s41467-017-01120-3.

Stantzou A, Schirwis E, Swist S, Alonso-Martin S, Polydorou I, Zarrouki F, Mouisel E, Beley C, Julien A, Le Grand F, Garcia L, Colnot C, Birchmeier C, Braun B, Schuelke M, **Relaix F**, Amthor H. (2017) BMP signaling regulates satellite cell dependent postnatal muscle growth. **Development**. 144: 2737-2747. doi: 10.1242/dev.144089.

Gard C, Gonzalez-Curto G, Frarma YE, Chollet E, Duval N, Auzié V, Auradé F, Vigier L, **Relaix F**, Pierani A, Causeret F, Ribes V. (2017) Pax3- and Pax7-mediated Dbx1 regulation orchestrates the patterning of intermediate spinal interneurons. **Dev Biol**. S0012-1606(16)30608-X. doi: 10.1016/j.ydbio.2017.06.014.

Scionti I, Hayashi S, Mouradian S, Girard E, Esteves de Lima J, Morel V, Simonet T, Wurmser M, Maire P, Ancelin K, Metzger E, Schüle R, Goillot E, **Relaix F**, Schaeffer L. (2017) LSD1 controls the timely MyoD expression via MyoD Core Enhancer transcription. **Cell Rep**. 18(8):1996-2006. doi: 10.1016/j.celrep.2017.01.078.

Mademtzoglou D, Alonso-Martin S, Chang TH, Bismuth K, Drayton-Libotte B, Aurade F, **Relaix F**. (2017) A p57 conditional mutant allele that allows tracking of p57-expressing cells. **Genesis**. 55(4). doi: 10.1002/dvg.23025.

Hayashi S, Manabe I, Suzuki Y, **Relaix F**, Oishi Y. (2016) Klf5 regulates muscle differentiation by directly targeting muscle-specific genes in cooperation with MyoD in mice. **ELife**. 5. pii: e17462. doi: 10.7554/eLife.17462.

Naldaiz-Gastesi N, Goicoechea M, Alonso-Martín S, Aiastui A, López-Mayorga M, García-Belda P, Lacalle J, San José C, Araúzo-Bravo MJ, Trouilh L, Anton-Leberre V, Herrero D, Matheu A, Bernad A, García-Verdugo JM, Carvajal JJ, **Relaix F**, Lopez de Munain A, García-Parra P, Izeta A. (2016) Identification and characterization of the dermal *Panniculus carnosus* muscle stem cells. **Stem Cell Reports**. 7(3):411-424. doi: 10.1016/j.stemcr.2016.08.002.

Machado L, **Relaix F**. (2016) Heterochromatin compaction is regulated by Suv4-20h1 to maintain skeletal muscle stem cells quiescence. **Stem Cell Investig**. 3:23. doi: 10.21037/sci.2016.06.04. eCollection 2016. [Preview]

Alonso-Martin S, Rochat A, Mademtzoglou D, Morais J, de Reyniès A, Auradé F, Chang TH, Zammit PS, **Relaix F**. (2016) Gene expression profiling of muscle stem cells identifies novel regulators of postnatal myogenesis. **Frontiers Cell Dev Biol**. 4: 58. doi: 10.3389/fcell.2016.00058. eCollection 2016.

Mourikis P, **Relaix F**. (2016) Activated muscle satellite cells chase ghosts. **Cell Stem Cell**. 18(2):160-2. doi: 10.1016/j.stem.2016.01.008. [Preview]

Smeriglio P, Alonso-Martin S, Masciarelli S, Madaro L, Iosue I, Marrocco V, **Relaix F**, Fazi F, Marazzi G, Sassoon DA, Bouché M. (2015) Phosphotyrosine phosphatase inhibitor bisperoxovanadium endows myogenic cells with enhanced muscle stem cell functions via epigenetic modulation of Sca-1 and Pw1 promoters. **FASEB J**. 30: 1404-15. doi: 10.1096/fj.15-275420.

**Relaix F**. (2015) Pax genes: Master regulators of development and tissue homeostasis. **Semin Cell Dev Biol**. 44: 62-63. doi: 10.1016/j.semcdb.2015.10.036. [Review]

Buckingham M, **Relaix F**. (2015) PAX3 and PAX7 as upstream regulators of myogenesis. **Semin Cell Dev Biol**. 44: 115-25. doi: 10.1016/j.semcdb.2015.09.017. [Review]

Zalc A, **Relaix F**. (2015) [Pax3 and Pax7 play essential safeguard functions against environmental stress-induced birth defects]. **Med Sci (Paris)**. 31(8-9):723-5. doi: 10.1051/medsci/20153108007. [Review]

Chal J, Oginuma M, Al Tanoury Z, Gobert B, Sumara O, Hick A, Bousson F, Zidouni Y, Mursch C, Moncuquet P, Tassy O, Vincent S, Miyanari A, Bera A, Garnier JM, Guevara G, Hestin M, Kennedy L, Hayashi S, Drayton B, Cherrier T, Gayraud-Morel B, Gussoni E, **Relaix F**, Tajbakhsh S, Pourquie O. (2015) Differentiation of pluripotent stem cells to muscle fiber to model Duchenne muscular dystrophy. **Nature Biotechnol**. 33, 962-9. doi: 10.1038/nbt.3297.

Blondelle J, Ohno Y, Gache V, Guyot S, Storck S, Blanchard-Gutton N, Barthélémy I, Walmsley G, Rahier A, Gadin S, Maurer M,

- Guillaud L, Prola A, Ferry A, Aubin-Houzelstein G, Demarquoy J, **Relaix F**, Piercy RJ, Blot S, Kihara A, Tiret L, Pilot-Storck F. (2015) HACD1, a regulator of membrane composition and fluidity, promotes myoblast fusion and skeletal muscle growth. **J Mol Cell Biol.** 7(5):429-40. doi: 10.1093/jmcb/mjv049.
- Zalc A, Rattenbach R, Auradé F, Cadot B, **Relaix F**. (2015) Pax3 and Pax7 play essential safeguard functions against environmental stress-induced birth defects. **Dev Cell.** 33(1):56-6. doi: 10.1016/j.devcel.2015.02.006.
- Kostallari E, Baba-Amer Y, Alonso-Martin S, Ngho P, **Relaix F**, Lafuste P, Gherardi RK. (2015) Pericytes in the myovascular niche promote post-natal myofiber growth and satellite cell quiescence. **Development.** 142(7):1242-53. doi: 10.1242/dev.115386.
- Bougerol M, Auradé F, Lambert FM, Le Ray D, Combes D, Thoby-Brisson M, **Relaix F**, Pollet N, Tostivint H. (2015) Generation of BAC transgenic tadpoles enabling live imaging of motoneurons by using the urotensin II-related peptide (ust2b) gene as a driver. **PLoS One.** 10(2): e0117370. doi: 10.1371/journal.pone.0117370.
- Abou-Khalil R, Yang F, Lieu S, Julien A, Perry J, Pereira C, **Relaix F**, Miclau T, Marcucio R, Colnot C. (2015) Role of muscle stem cells during skeletal regeneration. **Stem Cells.** 33(5):1501-11. doi: 10.1002/stem.1945.
- Zalc A, Hayashi S, Auradé F, Bröhl D, Chang T, Mademtoglou D, Mourikis P, Yao Z, Cao Y, Birchmeier C, **Relaix F**. (2014) Antagonistic regulation of p57kip2 by Hes/Hey downstream of Notch signaling and muscle regulatory factors regulates skeletal muscle growth arrest. **Development.** 141(14):2780-90. doi: 10.1242/dev.110155.
- Mayeuf-Louchart A, Lagha M, Danckaert A, Rocancourt D, **Relaix F**, Vincent SD, Buckingham M. (2014) Notch regulation of myogenic versus endothelial fates of cells that migrate from the somite to the limb. **Proc Natl Acad Sci U S A.** 111(24):8844-9. doi: 10.1073/pnas.1407606111.
- Moore S, Ribes V, Terriente J, Wilkinson D, **Relaix F**, Briscoe J. (2013) Distinct regulatory mechanisms act to establish and maintain Pax3 expression in the developing neural tube. **PLoS Genet.** 9(10):e1003811. doi: 10.1371/journal.pgen.1003811.
- Abou-Khalil R, Yang F, Mortreux M, Lieu S, Yu YY, Wurmser M, Pereira C, **Relaix F**, Miclau T, Marcucio RS, Colnot C. (2013) Delayed bone regeneration is linked to chronic inflammation in murine muscular dystrophy. **J Bone Miner Res.** 29(2):304-15. doi: 10.1002/jbmr.2038.
- Lagha M, Mayeuf-Louchart A, Chang T, Montarras D, Rocancourt D, Zalc A, Kormish J, Zaret KS, Buckingham ME, **Relaix F**. (2013) Itm2a is a Pax3 target gene, expressed at sites of skeletal muscle formation in vivo. **PLoS One.** (5):e63143. doi: 10.1371/journal.pone.0063143.
- Relaix F\***, Demignon J, Laclef C, Pujol J, Santolini M, Niro C, Lagha M, Rocancourt D, Buckingham M, Maire P. (2013) Six is a key regulator in the Pax/MyoD genetic pathway leading to the onset of myogenesis. **PLoS Genet.** 9(4):e1003425. doi: 10.1371/journal.pgen.1003425. (\*co-corresponding author)
- Relaix F**, Zammit, P. (2012) Satellite cells are essential for skeletal muscle regeneration: the cell on the edge takes centre stage. **Development.** 139(16) :2845-56. doi: 10.1242/dev.069088. [Review]
- Thuault S, Hayashi S, Lagirand-Cantaloube J, Plutoni C, Comunale F, Delattre O, **Relaix F**, Gauthier-Rouvière C. (2012) P-cadherin is a direct PAX3-FOXO1A target involved in alveolar rhabdomyosarcoma aggressiveness. **Oncogene.** 32(15):1876-87. doi: 10.1038/onc.2012.217.
- Calhabeu F, Hayashi S, Morgan JE, **Relaix F**, Zammit PS. (2012) Alveolar Rhabdomyosarcoma-associated proteins PAX3/FOXO1A and PAX7/FOXO1A 2 suppress the transcriptional activity of MyoD-target genes in muscle stem cells. **Oncogene.** 32(5):651-62. doi: 10.1038/onc.2012.73.
- Djian-Zaouche J, Campagne C, Reyes-Gomez E, Gadin-Czerw S, Bernex F, Louise A, **Relaix F**, Buckingham M, Panthier JJ, Aubin-Houzelstein G. (2012) Pax3GFP, a new reporter for the melanocyte lineage, highlights novel aspects of PAX3 expression in the skin. **Pigment Cell Melanoma Res.** 25(5) :545-54. doi: 10.1111/j.1755-148X.2012.01024.x.
- Havis E, Coumilleau P, Bonnet A, Bismuth K, Bonnin MA, Johnson R, Fan CM, **Relaix F**, Shi DL, Duprez D. (2012) Sim2 prevents entry into the myogenic program by repressing MyoD transcription during limb embryonic myogenesis. **Development.** 139(11):1910-20. doi: 10.1242/dev.072561.
- Goupille O, Pallafacchina G, **Relaix F**, Conway SJ, Cumano A, Robert B, Montarras D, Buckingham M. (2011) Characterization of Pax3-expressing cells from adult blood vessels. **J Cell Sci.** 124(Pt 23):3980-8. doi: 10.1242/jcs.085373.
- Van Ho AT, Hayashi S, Bröhl D, Auradé F, Rattenbach R, **Relaix F**. (2011) Neural crest cell lineage restricts skeletal muscle progenitor cell differentiation through Neuregulin1-ErbB3 signaling. **Dev Cell.** 21(2):273-87. doi: 10.1016/j.devcel.2011.06.019.

- Besson V, Smeriglio P, Wegener A, **Relaix F**, Nait Oumesmar B, Sassoon DA, Marazzi G. (2011) PW1 gene/paternally expressed gene 3 (PW1/Peg3) identifies multiple adult stem and progenitor cell populations. **Proc Natl Acad Sci U S A.** 108(28):11470-5. doi: 10.1073/pnas.1103873108.
- Mayeuf A, **Relaix F**. (2011) [Notch pathway : from development to regeneration of skeletal muscle.] **Médecine/science.** 27(5):521-6. doi: 10.1051/medsci/2011275018. [Review – French]
- Hayashi S, Rocancourt D, Buckingham M, **Relaix F**. (2011) Lack of *in vivo* functional compensation between Pax family groups II and III in rodents. **Mol Biol Evol.** 28(10):2787-98. doi: 10.1093/molbev/msr114.
- Leroux-Berger M, Queguiner I, Maciel TT, Ho A, **Relaix F**, Kempf H. (2011) Pathological calcification of adult vascular smooth muscle cells differs upon their crest or mesodermal embryonic origin. **J Bone Miner Res.** 26(7):1543-53. doi: 10.1002/jbmr.382.
- Relaix F**, Tajbakhsh S. (2011) Du développement à la régénération du muscle squelettique. **Biofutur.** [Review – French]
- Lagha M, Sato T, Regnault B, Cumano A, Zuniga A, Licht J, **Relaix F**, Buckingham M. (2010) Transcriptome analyses based on genetic screens for Pax3 myogenic targets in the mouse embryo. **BMC Genomics.** 11(1):696. doi: 10.1186/1471-2164-11-696.
- Bismuth K, **Relaix F**. (2010) Genetic regulation of skeletal muscle development. **Exp Cell Res.** 316(18):3081-6. doi: 10.1016/j.yexcr.2010.08.018. [Review]
- Lagha M, Brunelli S, Messina G, Cumano A, Kume T, **Relaix F\***, Buckingham ME. (2009) Pax3 :Foxc2 reciprocal repression in the somite modulates luscular versus vascular cell fate choice in multipotent progenitors. **Dev Cell.** 17(6):892-9. doi: 10.1016/j.devcel.2009.10.021. (\*co-senior author)
- Relaix F**, Marcelle C. (2009) Muscle stem cells. **Curr Opin Cell Biol.** 21(6):748-53. doi: 10.1016/j.ceb.2009.10.002. [Review]
- Kahn J, Shwartz Y, Blitz E, Krief S, Sharir A, Breitel DA, Rattenbach R, **Relaix F**, Maire P, Rountree RB, Kingsley DM, Zelzer E. (2009) Muscle contraction is necessary to maintain joint progenitor cell fate. **Dev Cell.** 16(5):734-43. doi: 10.1016/j.devcel.2009.04.013.
- Amthor H, Otto A, Vulin A, Rochat A, Dumonceaux J, Garcia L, Mouisel E, Hourdé C, Macharia R, Friedrichs M, **Relaix F**, Zammit PS, Matsakas A, Patel K, Partridge T. (2009) Muscle hypertrophy driven by myostatin blockade does not require stem/precursor-cell activity. **Proc Natl Acad Sci U S A.** 106(18):7479-84. doi: 10.1073/pnas.0811129106.
- Collins CA, Gnocchi VF, White RB, Boldrin L, Perez-Ruiz A, **Relaix F**, Morgan JE, Zammit PS. (2009) Integrated functions of Pax3 and Pax7 in the regulation of proliferation, cell size and myogenic differentiation. **PLoS One.** 4(2):e4475. doi: 10.1371/journal.pone.0004475.
- Daubas P, Crist CG, Bajard L, **Relaix F**, Pecnard E, Rocancourt D, Buckingham M. (2008) The regulatory mechanisms that underlie inappropriate transcription of the myogenic determination gene *Myf5* in the central nervous system. **Dev Biol.** 327(1):71-82. doi: 10.1016/j.ydbio.2008.11.031.
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## INVITED ORAL PRESENTATIONS

### Scientific Meetings

- Mar 25-2019 AFM 6<sup>th</sup> international congress of myology – Bordeaux, France  
Jan 25-2019 240<sup>th</sup> ENMC International Workshop: The involvement of skeletal muscle stem cells in the pathology of muscular dystrophies – Amsterdam, The Netherlands  
Oct 13-2018 15<sup>th</sup> IIM Meeting: Pathogenesis and Therapies of Rare Diseases – Assisi, Italy  
Aug 29-2018 AhR meeting 2018 – Paris, France  
Jul 09-2018 FASEB Skeletal muscle satellite cells and regeneration – Steamboat Springs, USA  
Jun 19-2018 Victorian muscle network symposium – Melbourne, Australia  
May 30-2018 LIA 5<sup>th</sup> workshop – Orleans, France  
April 22-2018 Muscle development, regeneration and disease – Berlin, Germany  
Oct 12-2017 14<sup>th</sup> IIM Meeting: pathogenesis and therapies of rare diseases – Assisi, Italy  
Jul 05-2017 INSERM-JSPS collaboration meeting - nutrition and environment: Which impact on cardiac ageing? – Cernay-la-ville, France  
Jun 13-2017 Gordon Research Conference myogenesis: advanced mechanisms of growth and repair in myogenesis – Lucca (Barga), Italy  
Nov 16-2016 Joint meeting of the 22<sup>nd</sup> international congress of zoology and the 87<sup>th</sup> meeting of the zoological society of Japan – Okinawa, Japon  
Nov 14-2016 4<sup>th</sup> Society of skeletal muscle cells, Keynote lecture – Nagoya, Japon  
Jul 25-2016 FASEB skeletal muscle satellite cells and regeneration – Keystone, Colorado, USA  
Jul 18-2016 International conference on molecular evolution 2016 – Bangkok, Thailand  
Mar 15-2016 AFM 5<sup>th</sup> international congress of myology – Lyon, France  
Jun 25-2015 Gordon Research Conference myogenesis: molecular and cellular networks – Lucca (Barga), Italy  
Jan 28-2015 REVIVE 4<sup>th</sup> annual consortium meeting – Belle-Eglise, France  
Oct 05-2014 Symposium “Stem Cells and Cancer”, 27<sup>th</sup> Entretiens Jacques Cartier – Montreal, Canada  
Mar 21-2014 19<sup>e</sup> journée du CHEC – Amiens, France  
Oct 05-2013 18<sup>th</sup> international congress of the World Muscle Society – Asilomar, CA, USA  
Jul 11-2013 Gordon Research Conference myogenesis: mechanisms and models – Lucca (Barga), Italy  
Apr 11-2013 FP7 ENDOSTEM annual meeting – Ischia, Napoli, Italy  
Mar 22-2013 Stem Cell meeting – Bordeaux, France  
Sep 08-2012 9<sup>th</sup> Japanese-French Symposium for ‘muscular dystrophy’ – Tokyo, Japan  
Nov 11-2011 BIT’s 4<sup>th</sup> annual congress of regenerative medicine and stem cell 2011 – Beijing, China  
Jun 29-2011 VII London myology forum – London, UK  
May 12-2011 EMBO Conference: the molecular and cellular mechanisms regulating skeletal muscle, development and regeneration – Wiesbaden, Germany  
May 10-2011 4th international congress of myology – Lille, France  
Apr 06-2011 EMBO Conference: advances in stem cell research: development, regeneration and disease – Paris, France  
Mar 01-2011 2<sup>nd</sup> Batsheva seminar on integrative perspectives on the development of the musculoskeletal system – Ein Gedi, Israel  
Apr 22-2010 IX Porto cancer meeting on “differentiation, regeneration and cancer” – Porto, Portugal  
Apr 13-2010 Gordon Research Conferene: craniofacial morphogenesis & tissue regeneration –Lucca (Barga), Italy  
Mar 23-2010 Oulu Biocenter day 2010 – Oulu, Finland



Sep 14-2009	Muscle identity and diversity AIM/MyoRes Workshop – Paris (ORGANIZER)
Jul 03-2009	Franco-Japanese symposium on muscle formation and disease – Paris, France
May 29-2009	Making muscle in the embryo and adult, a joint meeting of Frontier in myogenesis and Skeletal Muscle stem and satellite cells – New York, NY, USA
Oct 27-2008	MyoRes annual congress, Giardini Naxos – Sicily, Italy
Sep 26-2008	EMBO conference: the molecular and cellular mechanisms regulating skeletal muscle development and regeneration – Sant Feliu de Guixols, Spain
May 02-2008	London Myology forum – London, UK
Mar 03-2008	Integrating perspectives on the development of the musculoskeletal system – Neve Zohar, Israel
Nov 15-2007	Club des belles souris – Orsay, France
Dec 07-2006	Developmental biology and cancer meeting – Paris, France
Dec 04-2006	Center of excellence international workshop – Nagoya, Japan
Nov 29-2006	Development of molecular therapy of muscular dystrophy meeting – Tokyo, Japan
Sep 18-2006	France-Israel meeting on stem cells and regenerative medicine, Technion – Haifa, Israel
Apr 08-2006	3 <sup>rd</sup> Canadian developmental biology conferences – Québec, Canada
Jan 12-2006	International stem cell forum 2006. "Stem cell research in France: Progresses and objectives from basic to translational research" – Paris, France
Sep 28-2005	EMBO/FEBS Workshop: The molecular and cellular mechanisms underlying skeletal muscle formation and repair – Fontevraud, France
Jun 09-2005	Muscle club meeting – Marseille, France
May 13-2005	2005 trilateral stem cell meeting – Kobe, Japan
May 10-2005	International congress of Myology 2005 – Nantes, France.
Apr 20-2005	Cell into organs EEC meeting – Braga, Portugal
Dec 17-2004	Muscle club meeting – Paris, France
May 17-2004	Gordon Research Conference on Myogenesis – Lucca (Braga), Italy
Oct 20-2003	Pasteur departmental days – Fontevraud, France
Oct 07-2003	Meeting CHO – Giens, France
Nov 04-2002	Annual meeting of the French society of developmental biology – Toulouse, France
Sep 18-2002	Conseil d'orientation scientifique de l'AFM – Paris, France
Oct 10-2000	Conference Jacques Monod: cellular and molecular basis of morphogenesis – Aussois, France
Oct 06-1999	La jonction neuromusculaire dans tous ses états – Orsay, France

## Invited Seminars

Apr 15-2019	Institute of Genetics and Biophysics – Napoli, Italy
Apr 05-2019	Pasteur Institute – Lille, France
Feb 27-2019	Department of Neurology and Neurological Sciences, Stanford University School of Medicine – San Francisco, CA, USA
Feb 25-2019	Department of Orthopaedic Surgery, University of California – San Francisco, CA, USA
Feb 21-2019	Children's Cancer Therapy Development Institute – Portland, OR, USA
Jan 31-2019	Institut NeuroMyoGene – Lyon, France
Nov 23-2018	Zakład Biotechnologii Medycznej, Wydział Biochemii, Biofizyki i Biotechnologii – Krakow, Poland
Oct 24-2018	National Center of Neurology and Psychiatry – Tokyo, Japan
Sep 14-2018	Centro Andaluz de Biología del Desarrollo – Sevilla, Spain
Mar 08-2018	iStem – Evry, France
Oct 09-2017	San Raffaele Hospital – Milan, Italy
Dec 14-2016	Stem Cell Institute, University of Minnesota – Minneapolis, MN, USA
Nov 11-2016	National Institute of Neuroscience, National Center of Neurology and Psychiatry – Tokyo, Japan
Nov 10-2016	Medical Research Institute, Tokyo Medical and Dental University – Tokyo, Japan
Jun 24-2016	Hong Kong University of Science and Technology – Hong-Kong, China
Mar 30-2016	Imagine Research Center, Necker Hospital – Paris, France
Mar 11-2016	Cochin School of Medicine, Monthly "Club Muscle" – Paris, France
Feb 09-2016	The Novo Nordisk Foundation Center for Basic Metabolic research – Copenhagen, Denmark
Dec 15-2015	Max Delbrück Center for Molecular Medicine – Berlin, Germany
Nov 11-2015	Edith Cowan University – Perth, Australia
Apr 15-2015	Institut de Genetique Humaine – Montpellier, France
Oct 20-2014	InStem Institute – Bangalore, India

Oct 10-2014	Institut de Biologie du Développement de Marseille – Marseille, France
Mar 11-2014	University of Ottawa – Ottawa, Canada
Mar 10-2014	Mc Gill University – Montreal, Canada
Mar 07-2014	Faculty of Medicine of GreD – Clermont-Ferrand, France
Dec 03-2013	Timone hospital – Marseille, France
May 02-2013	CHU Purpan – Toulouse, France
Nov 20-2012	Institut de génétique et de biologie moléculaire et cellulaire (IGBMC) – Strasbourg, France
Jul 20-2011	INPG-PHELMA de Grenoble, CNRS-UMR 5628 – Grenoble, France
Jan 31-2011	Institut du Cerveau et de la Moelle Epiniere – Paris, France
Dec 13-2010	Faculté de Médecine de Marseille – Marseille, France
Oct 18-2010	IGBMC – Strasbourg, France
Feb 08-2010	Département de Génétique, INSERM U-781, Hôpital Necker-Enfants Malades – Paris, France
Oct 20-2009	National Institute for Medical Research – London, UK
Jan 24-2007	Université Pierre et Marie Curie, Paris VI – Paris, France
Jan 15-2007	U711, Pitié-Salpêtrière Hospital – Paris, France
Dec 15-2006	Institut Gustave Roussy – Villejuif, France
Sep 19-2006	Weizmann Institute, Transcriptional Regulation Department – Rehovot, Israel
Apr 12-2006	Molecular Cardiology Research Center, University of Pennsylvania – Philadelphia, PA, USA
Dec 12-2005	Riken Center for Developmental Biology – Kobe, Japon
Oct 20-2005	Curie Institute – Paris, France
Jun 01-2005	Pasteur Institute, Developmental Biology Department – Paris, France
May 25-2005	CNRS Orleans – Orleans, France
Apr 11-2005	Molecular Cardiology Research Center, University of Pennsylvania – Philadelphia, PA, USA
Apr 09-2005	Eccles Institute of Human Genetics, University of Utah – Salt Lake City, UT, USA
Feb 07-2005	Mount Sinai Hospital – New York, NY, USA
Dec 12-2004	EMIO210, Hopital Necker – Paris, France
Feb 26-2003	Université Pierre et Marie Curie (Paris VI) – Paris, France
Feb 25-2003	Curie Institute – Paris, France
Feb 12-2003	Institut de Biologie du Développement de Marseille – Marseille, France
Feb 07-2003	Hopital Henri Mondor – Créteil, France
Jan 30-2003	Institut Curie Orsay – Orsay, France
Dec 16-2002	Institut Cochin – Paris, France
Dec 11-2002	Hopital Saint Louis – Paris, France
Nov 29-2002	Commissariat à l'énergie atomique et aux énergies alternatives (CEA) – Grenoble, France

## TEACHING

Head of the MD/PhD program, Henri Mondor Medical School, Creteil, France  
 PACES, Faculté de médecine Paris XII, Creteil, France – Human fertilization and embryology  
 International developmental biology course – Curie Institute (France)/UPMC (France)/ Harvard (USA)  
 MyoGrad teaching network, Paris-Berlin  
 MyoGrad, journée embryologie Practical Course  
 MyoGrad, Journée histologie Practical Course  
 Diplôme inter-Universitaire: Electron microscopy in embryology  
 Master II. Génétique Somatique, Université Paris VII, Paris, France  
 Master II Biothérapie, UPEC, Creteil France  
 Comités de thèse

## PhD AND HDR JURY

**2019 – Reviewer of the PhD of Dhanushika Ratnayake Richmond**, Monash University, “Stem cell—macrophage interactions regulate vertebrate muscle regeneration: insights from zebrafish”  
**2019 – Evaluation of the PhD of Jordi Camps**, KU Leuven, “Redefining interstitial stem cell populations in muscular dystrophy”  
**05-04-2019 – Reviewer of the PhD of Alexis Boulinguez**, Lille Institut Pasteur, “Rôle du récepteur nucléaire Rev-erb-a; dans la fonction du réticulum sarcoplasmique du muscle squelettique : implications physiologiques et pathologiques”  
**26-03-2019 – Evaluation of the PhD of Laura Andrea Galvis Vargas**, Monash University, “Modulation of muscle regeneration and repair”

**20-03-2019 – Evaluation of the PhD of Jordan Mecca**, Sorbonne Université, “Rôle des cellules souches musculaires dans la physiopathologie de l'amyotrophie spinale”

**30-11-2019 – Evaluation of the PhD of Anaïs Julien**, Université Paris Descartes, “Rôle du muscle au cours de la régénération osseuse: étude fonctionnelle de la contribution cellulaire et impact des traumatismes musculosquelettiques”

**28-06-2018 – Reviewer of the PhD of Olivier Claude**, Sorbonne Universités “Identification de marqueurs membranaires spécifiques de cellules progénitrices cardiaques PW1+ par une approche multiomique”

**06-04-2018 – Evaluation of the PhD of Andrea Bianchi**, Università degli studi di Roma "tor vergata", “The multi-faced satellite cells dysfunctions in Emery Dreifuss Muscular Dystrophy”.

**15-12-2017 – President of the Jury of the PhD of Tristan Gonçalves**, Université Paris Descartes “Implication du collagène XXV dans la myogenèse chez la souris”.

**31-10-2017 – Reviewer of the PhD of Maud Wurmser**, Université Paris Descartes “Rôle des homéoprotéines SIX dans les progéniteurs myogéniques au cours du développement musculaire”

**10-10-2017 – Evaluation of the PhD of Giulia Ferri**, Università Vita-Salute San Raffaele “Molecular characterization of the leading candidate genes in FSHD muscular dystrophy”

**20-03-2017 – Evaluation of the PhD of Valentina Taglietti**, Università Degli Studi Di Milano “Unravelling the molecular mechanisms regulating embryonic and fetal myogenesis: the role of Nfix as “master” gene for the fetal genetic program”

**20-09-2016 – Evaluation of the PhD of Maniglier Madlyne**, Université Pierre et Marie Curie “Adult peripheral nervous system stem cells: from their identification towards their role and fate in pathological conditions”

**09-02-2016 – Reviewer of the PhD of Vibe Nylander**, University of Copenhagen “Implication of epigenetic factors in the metabolic complications of irradiation”

**17-12-2015 – President of the Jury of the PhD of Marie Segovia**, Ecole Nationale Vétérinaire d'Alfort (ENVA) “Alimentation et immunité pendant la période péripartum chez les bovins”.

**17-12-2015 – President of the Jury of the PhD of Pierre-François Ducatteau**, Ecole Nationale Vétérinaire d'Alfort (ENVA) “Pisciculture : Bilan sur les modes d'élevage et perspectives en matière de durabilité environnementale. Exemple du saumon atlantique en Norvège”

**04-11-2015 – Reviewer of the thesis of Yanne Doucet**, Université Aix Marseille II “Identification and characterization of the progenitor niche of the Merkel cell lineage: from homeostasis to cancer”

**30-10-2015 – Evaluation of the PhD of Violeta Mitutsova**, Université de Montpellier “Cellules souches du muscle squelettique : étude d'une population capable de différenciation multipotente”

**28-10-2015 – Reviewer of the thesis of Mélissa Fauveau**, Université Pierre et Marie Curie. “Fonction du facteur de transcription SOX17 dans la myélinisation”

**16-11-2015 – President of the Jury of the PhD of David Hardy**, Université Paris-Est. “Rôle de chimiokine CXCL12/SDF1 au sein du couplage angiogenèse/Myogenèse au cours de la régénérescence musculaire”

**03-12-2014 – Evaluation of the PhD of Yuli Watanabe**, UPEC. “La variabilité phénotypique liée aux mutations de SOX10 et les interactions génétiques gouvernant le développement du système nerveux entérique”

**30-05-2014 – President of the Jury of the PhD of Aude Frisdal**, UPMC-Paris VI. “Mortalin plays a protective role in cell survival through the regulation of the PERK/eIF2a/ATF4 pathway during mouse embryonic development”

**28-05-2014 – President of the Jury of the "habilitation à diriger des recherches" (HDR) of Silvia Fre**, Université Pierre et Marie Curie PARIS VI, “Notch signaling in stem cells and tumors in the mouse intestine and mammary gland”

**24-09-2013 – President of the Jury of the PhD of Isabelle Buisson**, UPMC-Paris VI. “Etude des rôles de Pax2 et Pax8 dans la mise en place du pronéphros chez le Xénope”

**05-07-2013 – President of the Jury of the PhD of Matias de Vas**, UPMC-Paris VI. “Role of the transcription factor HNF1b and regulatory networks involved in mouse pancreas development”

**06-2013 – President of the Jury of the "habilitation à diriger des recherches" (HDR) of Cécile Haumaître**, Université Pierre et Marie Curie PARIS VI, “Régulation génétique et épigénétique du développement du pancréas”

**22-04-2013 – PhD thesis committee of Giuliana Rossi**, Università Vita-Salute San Raffaele, “The transcription factor Nfix regulates the proper timing of muscle regeneration and the progression of muscular dystrophy”

**03-2013 – Reviewer of the "habilitation à diriger des recherches" (HDR) of Grégory Jouvion**, Université Paris-Est, “Roles du Stroma dans les réponses tissulaires face à une agression”

**11-01-2013 – Reviewer of the PhD of Cyril Picard**, Université de la Méditerranée Aix-Marseille 2, “Caractérisation de nouvelles souspopulations de progéniteurs musculaires au cours du développement embryonnaire des amniotes”

**19-12-2012 – President of the jury of the PhD of Anne Escot**, Université Pierre et Marie Curie PARIS VI “Chimiokine SDF-1 et crêtes neurales cardiaques : rôle dans la migration et implication dans les déficiences congénitales cardiaque”

**07-2012 – Reviewer of the "habilitation à diriger des recherches" (HDR) of Marie-Claire Delfini**, Université Aix Marseille, “Mécanismes moléculaires régissant la morphogenèse et la différenciation des ganglions de la racine dorsale chez l'embryon de souris et poulet”

**16-09-2011** – Evaluation of the PhD of **Olivia Renoir**, Université Paris Diderot, “Contrôle du développement des cellules endocrines pancréatiques par les histones désacétylases”

**02-2011** – Reviewer of the "habilitation à diriger des recherches" (HDR) of **Fabien Le Grand**, Université Paris Descartes, “Régénération du tissu musculaire squelettique - contrôler le destin des cellules souches”

**10-02-2011** – Evaluation of the PhD of **Pierre Rocheteau**, Université Pierre et Marie Curie, “Isolement et caractérisation d’une sous population de cellules souches musculaires squelettiques qui ségrègent de façon non aléatoire leurs brins d’ADN”

**24-09-2010** – Evaluation of the PhD of **Aline Bonnet**, Université Pierre et Marie Curie, “Etude de la fonction du gène *Vestigial-like 2* and la formation des muscles chez l’embryon de poulet”

**15-09-2009** – Reviewer of the PhD of **Rana Abou-Khalil**, Paris XII – Paris Est. “Interactions entre les cellules satellites et les cellules vasculaires au sein du muscle strié squelettique : implications dans la myogenèse et la quiescence”

**10-07-2009** – Evaluation of the PhD of **Claire Niro**, Université Paris Diderot – Paris VII, “Rôles des homéo-protéines Six et de leurs cofacteurs Eya au cours de la myogenèse chez la souris”

**10-10-2008** – Reviewer of the PhD of **Gaëlle Pérot**, Université Paris Descartes, “Oncogenèse et différenciation des léiomyosarcomes : rôle de l’amplification du chromosome 17p dans la biologie de ces tumeurs”

**30-11-2007** – Evaluation of the PhD of **Julien Giordani**, Université Pierre et Marie Curie, “Rôle des homéo-protéines Six au cours de la myogenèse chez la souris”

**26-06-2007** – Reviewer of the PhD of **Marie Manceau**, Université de la Méditerranée, “Regulation moléculaire de la croissance musculaire chez l’embryon de poulet”

## RESEARCH GRANTS

**2019** – EMBO workshop organization – 38k€

**2019** – Projet Exploratoire ATLAS, I-Site FUTURE – 25k€

**2019-2021** – ANR ANR-18-CE14-0001 ATM (col. w/ N. Dragin) – 148k€

**2018-2020** – FRM post-doctoral fellowship Valentina Taglietti – 180k€

**2018-2020** – ANR MyoStemVasc (col. w/ B. Chazaud) – 370k€

**2017-2020** – ANR BMP-MYOSTEM (col. w/ H. Amthor and P. Maire) – 200k€

**2017-2019** – ANR MYOLINC (col. w/P. Maire and P. A. Defossez) – 75k€

**2017-2019** – REVIVE Post-doctoral grant Joana Lima – 180k€

**2016** – EFS network grant (col. w/ Luc Douai) – 80k€

**2016-2020** – RHU CARMMA (Partner 5b - Leader G Derumeaux) – 1560k€

**2016-2018** – ANR PRCI Franco-Allemande Satnet (col w/ C. Birchmeier and S. Spuler) – 370k€

**2015-2019** – Pôle stratégique TRANSLAMUSCLE AFM – 1000k€/year

**2015-2018** – ANR CRESTMETABO (col. w/ A.H. Monsoro-Burq) – 85k€

**2014** – REVIVE PhD grant 4<sup>th</sup> year Despoina Mademtzoglou – 35k€

**2014-2016** – FRM. Developmental and environmental interactions during teratogenesis – 300k€

**2014-2016** – ANR Blanche Bone-muscle-repair (col. w/ C. Colnot) – 130k€

**2013-2015** – ANR Blanche BMP-Myomass (col. w/ H. Amthor and D. Duprez) – 160k€

**2013-2014** – REVIVE Post-Doc grant Philippos Mourikis – 180k€

**2012-2013** – Ligue Contre Le Cancer. Mouse model for Alveolar Rhabdomyosarcoma – 50k€

**2012-2014** – ANR Blanche Epimuscle (col. w/ L. Schaeffer) – 192k€

**2011-2021** – Labex REVIVE – 60k€/year

**2010-2014** – MyoGrad French-Germany PhD program

**2010-2014** – FP7 HEALTH-2009 Endostem (workpackage leader) – 2,600k€

**2009-2010** – Decryphon project grant. Large-scale identification of transcriptional networks during myogenesis – 130k€

**2009-2011** – INCa. From integrated genetic landscape to relevant models in rhabdomyosarcoma network (col. w/ O. Delattre and C. Gauthier-Rouvière) – 225k€

**2008** – Ligue Contre Le Cancer. Mouse model for Alveolar Rhabdomyosarcoma. – 40k€

**2006-2009** – AFM Strategic plan to U787. Molecular networks of myogenic progenitor stem cells – 750k€

**2007-2009** – ANR Maladies Rares. Waardenburg Syndrome: molecular and cellular analysis of cranio-facial defects in mouse models – 300k€

**2007-2009** – INSERM Avenir program – 280k€

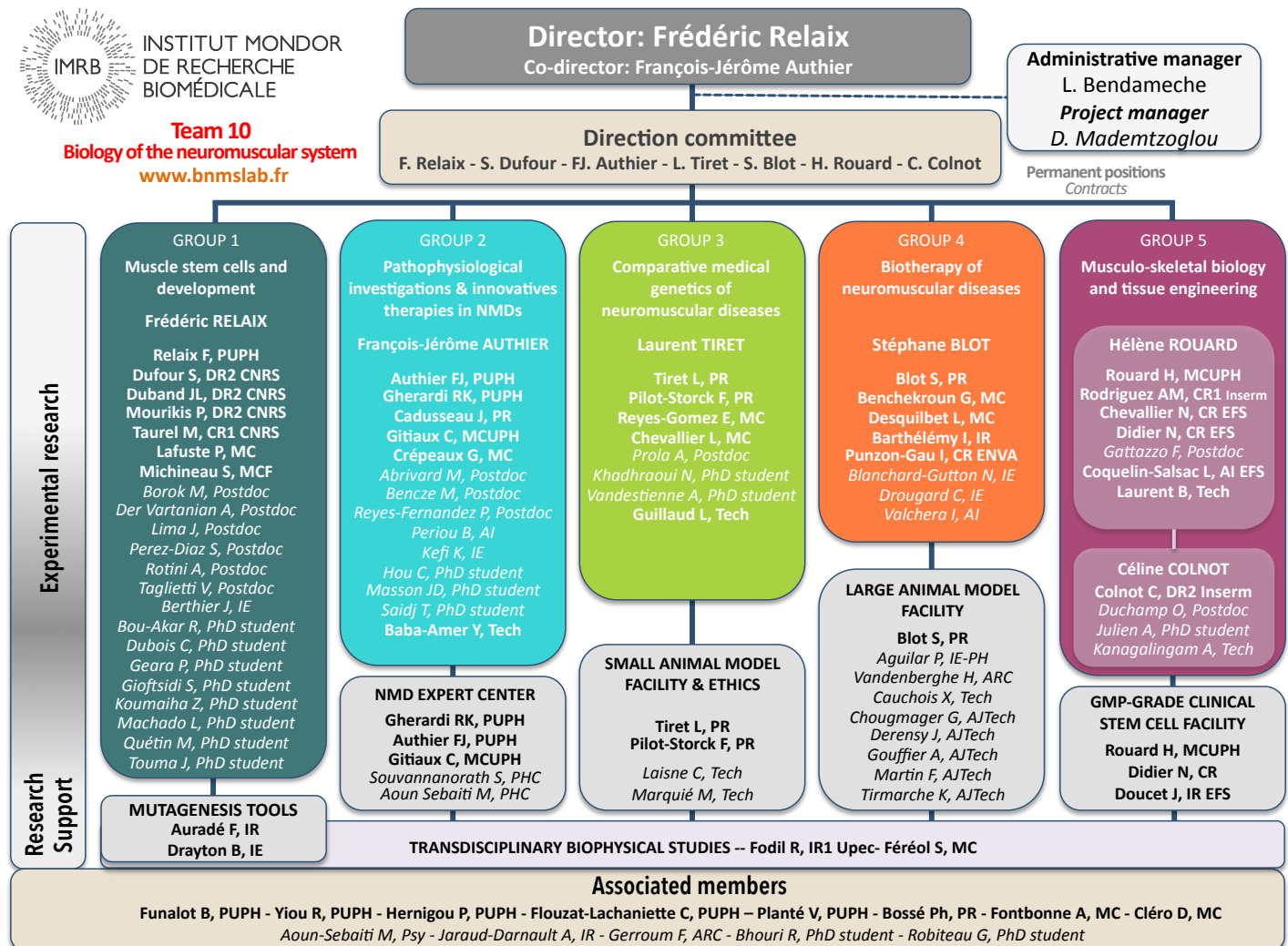
**2007-2010** – FP6 Network of Excellence MyoRes – 200k€

## CURRENT RESEARCH TEAM (U955-E10 IMRB INSERM-UPEC-EnVA-EFS)



INSTITUT MONDOR  
DE RECHERCHE  
BIOMÉDICALE

**Team 10**  
Biology of the neuromuscular system  
[www.bnmslab.fr](http://www.bnmslab.fr)



## CURRENT RESEARCH GROUP

2006 – Frédéric Relaix, PhD	Team leader. PUPH UPEC
2013 – Philippos Mourikis, PhD	DR2 CNRS
2015 – Marianne Taurel, PhD	CR1 CNRS
2015 – Peggy Lafuste, PhD	MCF UPEC
2015 – Stéphanie Michineau, PhD	MCF UPEC
2006 – Frédéric Aurade, PhD	Lab manager (UPMC IR)
2007 – Bernadette Drayton	Mouse models manager (INSERM IE)
2017 – Kaouthar Taibi	Technician [RHU CARMMA – INSERM]
2018 – Juliette Berthier	Technician [ANR MyoStemVasc – INSERM]
2015 – Audrey Der Vartanian, PhD	Post-Doc [AFM Translamuscle – UPEC]
2016 – Matthew Borok, PhD	Post-Doc [ANR SatNat – INSERM]
2016 – Joana Lima, PhD	Post-Doc [Labex REVIVE – INSERM]
2012 – Despoina Mademtoglou, PhD	Post-Doc [AFM Translamuscle – UPEC]
2017 – Alessio Rotini, PhD	Post-Doc [FRM fellowship – INSERM]
2017 – Sergio Perez-Diaz, PhD	Post-Doc [RHU CARMMA – INSERM]
2018 – Valentina Taglietti, PhD	Post-Doc [FRM fellowship – INSERM]
2015 – Zeynab Koumaiha	PhD Student [RHU CARMMA – INSERM]
2015 – Marie Quéting	PhD Student [MRT funding UPEC]
2016 – Leo Machado	PhD Student [Labex REVIVE – INSERM]
2017 – Joseph Touma	PhD Student [PH – AP-HP]

**2018 – Reem Bou Akar**  
**2018 – Stamatia Gioftsidi**  
**2018 – Christelle Dubois**  
**2018 – Perla Geara**

PhD Student [AFM Translamuscle – UPEC]  
PhD Student [UFA MyoGrad]  
PhD Student [MRT – UPEC]  
PhD Student [FRM fellowship – INSERM]

## **FORMER MEMBERS**

**2007-2009: Révital Aflalo-Rattenbach**, PhD Post-Doc  
**2007-2009: Christelle Masdeu**, PhD Post-Doc  
**2009-2010: Ted Chang**, PhD Post-Doc  
**2007-2010: Andre Van Ho**, PhD Post-Doc  
**2006-2012: Keren Bismuth**, PhD Post-doc  
**2007-2012: Anne Rochat**, PhD Post-doc  
**2008-2012: Jessica Morais**, PhD.  
**2007-2014: Shinichiro Hayashi**, PhD Post-doc  
**2012-2014: Vanessa Ribes**, PhD CR2 INSERM  
**2010-2014: Antoine Zalc**, PhD  
**2007-2016: Sonia Alonso-Martin**, PhD Post-doc  
**2017: David Hardy**, PhD Post-doc  
**2016-2018: Aniko Szegedi**  
**2016-2018: Melissa Goddard**, PhD Post-doc

**2010-** : CEO (Pharma4P, Paris)  
**2010-** : Business development analyst (Collectis, Paris)  
**2011-** : Post-doc (Vooreheove lab, Singapore)  
**2011-** : Post-doc (Helen Blau lab, Stanford, CA, USA)  
**2012** : Administrative staff (INSERM, Paris)  
**2012** : MBA Business development  
**2014** : Associate professor (Tokyo, Japan)  
**2015-** : Avenir team leader (Institut Jacques Monod, Paris)  
**2014-** : Post-doc (Joanna Wysocka lab, Stanford, CA, USA)  
**2016-** : Lab manager (Pura Munoz lab, Madrid, Spain)  
**2017** : Project manager (Pasteur Intitute, Paris)  
**2019-** : Post-doc (Genethon, Paris)