

Dr. DÉGILH Fanny, PhD, MSc

Curriculum Vitae

Date of Birth: April 5, 1989 (Toulouse, France)
Email: fanny.degeilh@med.uni-muenchen.de
Tel: +33-6-87-96-89-54

cBRAIN group
University Hospital München
Waltherstr. 23
80337 München, Germany

Education

- 2012-2016** **Ph.D. in Neuroscience -- with highest distinction ('*Suma Cum Laude*')**
École Pratique des Hautes Études (EPHE), Paris, France
- 2010-2012** **M.Sc.Res. in Neuroscience and Cognition -- with good distinction ('*Magna Cum Laude*')**
Université Paul Sabatier, Toulouse, France
- 2007-2010** **B.Sc. in Cellular Biology and Physiology**
Université Paul Sabatier, Toulouse, France

Research Experience

- Since 2019** **Post-doctoral fellow in Developmental Neuroimaging of Traumatic Brain Injury**
Child Brain Research and Imaging in Neuroscience group (cBRAIN)
Klinikum der Ludwig-Maximilians-Universität München, München, Germany
Supervisor: Pr. Inga Koerte
- 2016-2019** **Post-doctoral fellow in Developmental Neuroimaging and Neuropsychology**
ABCs and Grandir Ensemble labs
Sainte-Justine Research Center, University of Montreal, Montreal, Canada
Supervisors: Dr. Miriam Beauchamp and Dr. Annie Bernier
- 2012-2016** **Ph.D. in Neuroimaging of Post-Traumatic Stress Disorder in Adolescents**
NIHM lab, Inserm UMR-S 1077, Caen, France
Supervisor: Pr. Francis Eustache
- 2014** **Visiting scientist for international collaboration**
The New School for Social Research - Psychology Department, New York, USA (dir.: Dr. William Hirst)
- 2012** **Research internship on fear memory in humans**
Institute of Cognitive Neuroscience, London, UK
Supervisor: Pr. Neil Burgess
- 2011** **Research internship on visual perception in humans**
Centre de Recherche Cerveau et Cognition (CerCo), Toulouse, France
Supervisor: Dr. Simona Celebrini
- 2010** **Research internship on memory consolidation and reconsolidation in rodents**
Centre de Recherche sur la Cognition Animale (CRCA), Toulouse, France
Supervisor: Pr. Pascal Roulet

Pedagogical or Professional Training

- 24-25/09/2018 **Brain Connectivity Workshop**
Sixth Biennial Conference on Brain Connectivity, Montreal, Canada
- 30-31/07/2017 **Growth curve modelling Workshop (Mplus)**
University of Montreal, Montreal, Canada
- 15-16/05/2017 **Brain Connectivity Summer School**
Consortium for Imagery in Neurosciences and mental health in Quebec (CINQ)
& Quebec Bio-Imaging Network (QBIN), Quebec City, Canada
- 15-16/12/2016 **Growth curve modelling Workshop**
Centre for Research in Human Development, Montreal, Canada
- 03-05/09/2015 **Development across the Lifespan Workshop**
Society for the Study of Behavioral Development, Geneva, Switzerland

Co-investigator in Funded Research Projects

Kids' Outcomes And Long-term Abilities after preschool TBI (KOALA)

Principal investigator: Dr. Miriam Beauchamp

Funding: Canadian Institutes of Health Research (\$1M)

2016-2021

Teaching Experience

- 14/02/2018 Introduction to neuroimaging training workshop**
University of Montreal, Montreal, Canada
Training on fMRI processing with SPM (3h)
- 2015-2016 Contract teacher-researcher**
École Pratique des Hautes Études (EPHE), Paris, France
Full time contract dedicated to research and teaching

Supervising and Mentoring Activities

PhD students in Neuropsychology at the University of Montreal

- **Leblanc, E.**, Under the general supervision of Dr. Bernier and Dr. Beauchamp
- **Gagner, C., Seguin, M., and Tuerk, C.**, Under the general supervision of Dr. Beauchamp

Fellowships, Grants and Awards

2019	Jacques Genest Award	Fonds de Recherche du Québec en Santé (FRQS)	1,000 \$ CA
2019	Early Career Travel Award	Society for Research in Child Development (SRCD)	500 \$ US
2018	Conference travel grant	Quebec Bio-Imaging Network (QBIN)	500 \$ CA
2017	Conference travel grant	Paediatric traumatology research group, CHU Sainte Justine	1,000 \$ CA
2017-2019	Postdoctoral fellowship	Fonds de Recherche du Québec en Santé (FRQS)	60,000 \$ CA
2016-2019	Postdoctoral fellowship	Sainte-Justine Research Centre & University of Montreal	65,000 \$ CA
2015-2016	Ph.D. scholarship	École Pratique des Hautes Études (EPHE)	23,000 €
2015	Conference presentation Award	Société de Neuropsychologie de Langue Française	300 €
2014	Visiting travel grant	École Pratique des Hautes Études (EPHE)	1,250 €
2012-2015	Ph.D. scholarship	Doctorate contract – Paris Nouveaux Mondes (PNM) program	100,000 €

Publications in Peer-reviewed Scientific Journals

1. Bernier, A., **Dégeilh, F.**, Leblanc, É., Daneault, V., Bailey, H.N., Beauchamp, M.H. (2018). Mother-infant interaction and child brain morphology: A multidimensional approach to maternal sensitivity. *Infancy*.
2. **Dégeilh, F.**, Bernier, A., Gravel, J., Beauchamp, M.H. (2018). Developmental trajectories of adaptive functioning following early mild traumatic brain injury. *Developmental Psychobiology*.
3. **Dégeilh, F.**, Bernier, A., Leblanc, É., Daneault, V., Beauchamp, M.H. (2018). Quality of maternal behaviour during infancy predicts functional connectivity between default mode network and salience network 9 years later. *Developmental Cognitive Neuroscience*.
4. Leblanc, É., **Dégeilh, F.**, Daneault, V., Beauchamp, M.H, Bernier, A. (2017). Attachment Security in Infancy: A Preliminary Study of Prospective Links to Brain Morphometry in Late Childhood. *Frontiers in Psychology*.
5. **Dégeilh, F.**, Viard, A., Guérolé, F., Gaubert, M., Egler, P.J., Egret, S., Gerardin, P., Baleyte, J.M., Eustache, F., Dayan, J., Guillery-Girard, B. (2017). Functional brain alterations during self-reference processing in adolescents with sexual abuse related posttraumatic stress disorder: A preliminary report. *Neurocase*.
6. **Dégeilh, F.**, Guillery-Girard, B., Dayan, J., Gaubert, M., Chételat, G., Egler, P.J., Baleyte, J.M., Eustache, F., Viard, A. (2015). Neural correlates of Self and its interaction with memory in healthy adolescents. *Child Development*.
7. Bisby, J.A., King, J.A., Sulpizio, V., **Dégeilh, F.**, Curran, V.H., Burgess, N. (2015). Extinction learning is slower, weaker and less context specific after alcohol. *Neurobiology of Learning and Memory*.

Additional Publications in French Language Journals

1. **Dégeilh, F.**, Eustache, F., Guillery-Girard, B. (2017). [Memory in children: from development to learning strategies]. *Approche Neuropsychologique des Apprentissages chez l'Enfant*.

2. **Dégeilh, F.**, Eustache, F., Guillery-Girard, B. (2015). [Cognitive and brain development of memory from infancy to early adulthood]. *Biologie Aujourd'hui*.
3. **Dégeilh, F.**, Viard, A., Dayan, J., Guérolé, F., Egler, P.J., Baleyte, J.M., Eustache, F., Guillery-Girard, B. (2013). [Memory alteration in post-traumatic stress disorder: behaviour and neuroimaging]. *Revue de Neuropsychologie*.

Book Chapters

1. **Dégeilh, F.**, Very, E., Dayan, J., Eustache, F., Guillery-Girard, B. (2017). [Neuroimaging of post-traumatic stress disorder in adults and children]. (Fr) In: Canini, F, El-Hage, W, Garcia, R. (Eds) *Savoir pour soigner: le trouble de stress post-traumatique*. LaReponseduPsy.
2. Guillery-Girard, B., **Dégeilh, F.**, Gindt, M., Dayan, J. (2017). [Post-traumatic stress disorder in child and adolescent: from psychopathology to neuropsychology]. (Fr) In: Canini, F, El-Hage, W, Garcia, R. (Eds) *Savoir pour soigner: le trouble de stress post-traumatique*. LaReponseduPsy.

Presentation at conferences

Invited Talks

1. **Dégeilh, F.** (Nov. 2017). [Developmental neuroimaging: Seeing the brain growing]. (Fr). Seminar of the Centre de Recherche en Neuropsychologie et Cognition, Montréal, Quebec, Canada.
2. **Dégeilh, F.** (Sept. 2015). Automatic meta-analysis of neuroimaging studies of Post-Traumatic Stress Disorder. MATRICE ISC-PIF Workshop: From open data to multi-level cerebral dynamics, Paris, France.
3. **Dégeilh, F.** (June 2015). [Temporal evolution of memory for the attack of September 11, 2001: Neuropsychology and textometrie]. (Fr). Matrice, Paris, France
4. **Dégeilh, F.**, Guillery-Girard, B., Dayan, J., Egret, S., Gaubert, M., Mézenge, F., Egler, P.J., Guérolé, F., Baleyte, J.M., Eustache, F., Viard, A. (Nov. 2014). [Self and memory in adolescent]. (Fr). Cycon Seminar, Caen, France.
5. **Dégeilh, F.**, Guillery-Girard, B., Dayan, J., Egret, S., Gaubert, M., Mézenge, F., Egler, P.J., Guérolé, F., Baleyte, J.M., Eustache, F., Viard, A. (Jan. 2014). [Self-reference processing and memory: perspective in post-traumatic stress disorder]. (Fr). 12ème Journée du Réseau ABC des Psychotraumas, Paris, France.
6. **Dégeilh, F.**, Dayan, J., Egret, S., Gaubert, M., Mézenge, F., Egler, P.J., Guérolé, F., Baleyte, J.M., Eustache, F., Guillery-Girard, B., Viard, A. (June 2013). [Self and memory in adolescents with post-traumatic stress disorder]. (Fr). 11ème Journée du Réseau ABC des Psychotraumas, Caen, France

Oral Presentations Peer reviewed/Selected

1. Tuerk, C., **Dégeilh, F.**, Catroppa, C., Anderson, V., Beauchamp, M.H. (March 2019). Altered resting-state functional connectivity within the social brain in adolescents who sustain moderate-severe traumatic brain injury. World Congress on Brain Injury, Toronto, Ontario, Canada.
2. Bernier, A., **Dégeilh, F.**, Leblanc, É., Daneault, V., Bailey, H.N., Beauchamp, M.H. (March 2019). Mother-Infant Interaction and Child Brain Morphology: A Multidimensional Approach to Maternal Caregiving Behavior. In symposium "Normative Variation in Early Caregiving: Longitudinal Links to Brain Structure and Function". Society for Research on Child Development, Baltimore, Maryland, USA.
3. Séguin, M., **Dégeilh, F.**, Bernier, A., Gravel, J., Beauchamp, M.H. (May 2018). Paediatric traumatic brain injury and its impact on developmental trajectories of temperament. Canadian Conference on Developmental Psychology. Niagara Falls, Ontario, Canada.
4. Séguin, M., **Dégeilh, F.**, Bernier, A., Gravel, J., Beauchamp, M.H. (March 2018). [Impact of paediatric traumatic brain injury on developmental trajectories of temperament.] (Fr). Société Québécoise de Recherche pour la Psychologie, Québec, Quebec, Canada.
5. Leblanc, É., Bernier, A., **Dégeilh, F.**, Daneault, V., Beauchamp, M.H. (March 2018). [Grey matter volume of the superior temporal gyrus: Links with child attachment security and self-esteem] (Fr). Société Québécoise de Recherche en Psychologie, Québec, Quebec, Canada.
6. **Dégeilh, F.**, Bernier, A., Gravel, J., Beauchamp, M.H. (Sept. 2017). Longitudinal changes in adaptive functioning following preschool mild traumatic brain injury: Growth curve analyses. Conference on Paediatric Acquired Brain Injury, Rome, Italy.
7. **Dégeilh, F.**, Bernier, A., Leblanc, É., Daneault, V., Beauchamp, M.H. (March 2017). [Maternal mind-mindedness and autonomy support during infancy predict brain functional connectivity 9 years later]. (Fr). Symposium at the Société Québécoise de Recherche pour la Psychologie, Montréal, Quebec, Canada.
8. **Dégeilh, F.**, Guillery-Girard, B., Dayan, J., Gaubert, M., Chételat, G., Egler, P.J., Baleyte J. M, Eustache, F., Viard, A. (May 2015). [Specialization of the anterior cingulate cortex for self-judgment during adolescence: an fMRI study]. (Fr). Société de Neuropsychologie de Langue Française, Angers, France.

Award of the best oral presentation.

9. Eustache, F., **Dégeilh, F.**, Dayan, J., Baleyte, J.M., Guillery-Girard, B., Viard, A. (April 2014). [Memory and post-traumatic stress : Clinic, neuropsychology and neuroimaging] (Fr). Journées de Neurologie de Langue Française, Strasbourg, France.
10. **Dégeilh, F.**, Dayan, J., Egret, S., Gaubert, M., Mézenge, F., Egler, P.J., Guérolé, F., Baleyte, J.M., Eustache, F., Guillery-Girard, B., Viard, A. (June 2013). [Identity and memory in adolescents with post-traumatic stress disorder: Neuroimaging]. (Fr). Cellule d'urgence médico-psychologique, Caen, France.
11. **Dégeilh, F.**, Dayan, J., Egret, S., Gaubert, M., Mézenge, F., Egler, P.J., Guérolé, F., Baleyte, J.M., Eustache, F., Guillery-Girard, B., Viard, A. (June 2013). [Identity and memory in adolescents with post-traumatic stress disorder: Neuroimaging]. (Fr). Cellule d'urgence médico-psychologique, Caen, France.

Poster Presentations

1. **Dégeilh, F.**, Beauchamp, M.H., Leblanc, É., Daneault, V., Bernier, A. (June 2019) Parental education predicts functional connectivity of the hippocampus and amygdala 10 years later. OHBM Annual Meeting, Rome, Italy.
2. Tuerk, C., Lacombe-Barrios, J., **Dégeilh, F.**, Dehaes, M., El-Jalbout, R., Luu, T.M., Lapierre, C., Beauchamp, M.H. (March 2019). Who will make it through? Predicting non-sedated MRI success in young children with and without traumatic brain injury. World Congress on Brain Injury, Toronto, Ontario, Canada.
3. **Dégeilh, F.**, Catroppa, C., Anderson, V., Beauchamp, M.H. (March 2019). Early childhood severe traumatic brain injury is associated with long-lasting changes in temporal grey matter volume: A case series. World Congress on Brain Injury, Toronto, Ontario, Canada.
4. **Dégeilh, F.**, Bernier, A., Leblanc, É., Daneault, V., Beauchamp, M.H. (March 2019). Early mother-child attachment as a predictor of child white matter microstructure: A 9-year longitudinal study. Society for Research on Child Development, Baltimore, Maryland, USA.
5. Leblanc, É., **Dégeilh, F.**, Daneault, V., Beauchamp, M.H., Bernier, A. (March 2019). Interactive effects of mother-child relationship quality in infancy and middle childhood on children's brain volumes. Society for Research on Child Development, Baltimore, Maryland, USA.
6. Wyckaert, E., Leblanc, É., **Dégeilh, F.**, Deschênes, M., Beauchamp, M.H., Bernier, A. (March 2019). A longitudinal analysis of triadic father-mother-child interaction and child amygdala volume. Society for Research on Child Development, Baltimore, Maryland, USA.
7. Barrios-Lacombe, J., **Dégeilh, F.**, Dehaes, M., El-Jalbout, R., Luu, T.M., Lapierre, C., Beauchamp, M.H. (Feb 2019). Non-sedated structural MRI in young children with TBI: Preliminary feasibility results. International Neuropsychological Society, NYC, NY, USA.
8. Leblanc, É., **Dégeilh, F.**, Bernier, A., Daneault, V., Beauchamp, M.H. (Feb. 2019). Prospective association between attachment disorganization in infancy and brain morphometry in late childhood. International Neuropsychological Society, NYC, NY, USA.
9. Séguin, M., **Dégeilh, F.**, Bernier, A., Gravel, J., Beauchamp, M.H. (July 2018). Pediatric traumatic brain injury and temperament. International Neuropsychological Society. Prague, Czech Republic.
10. **Dégeilh, F.**, Bernier, A., Leblanc, É., Daneault, V., Beauchamp, M.H. (July 2018). Quality of maternal behaviour during infancy predicts functional connectivity between neurocognitive brain networks 9 years later. International Congress of Infant Studies, Philadelphia, Pennsylvania, USA.
11. **Dégeilh, F.**, Bernier, A., Leblanc, É., Daneault, V., Beauchamp, M.H. (May 2018). Early parenting stress as a predictor of regional brain volumes at age 10 years. Flux Satellite Conference, Chapel Hill, North Carolina, USA.
12. Leblanc, É., **Dégeilh, F.**, Bernier, A., Daneault, V., Beauchamp, M.H. (May 2018). *Prospective associations between attachment security in infancy and white matter structures in late childhood*. Flux Satellite Conference, Chapel Hill, North Carolina, USA.
13. Daneault, V., Bernier, A., **Dégeilh, F.**, Leblanc, E., Marzougui, N., Carrier, J., Beauchamp, M.H. (November 2017). *Sleep duration and children's brain development*. Pediatric Sleep Medicine Conference, Amelia Island, Florida, USA.
14. **Dégeilh, F.**, Viard, A., Guérolé, F., Gaubert, M., Egler, P.J., Egret, S., Gerardin P, Baleyte, J.M., Eustache, F., Dayan, J., Guillery-Girard, B. (June 2017). Changes in brain activity and connectivity during self-appraisal in adolescents with sexual abuse related PTSD. Canadian Psychology Association, Toronto, Ontario, Canada.
15. **Dégeilh, F.**, Hirst, W, Heiden, S, Pincemin, B, Decorde, M, Meksin, R, Eustache, F., Peschanski, D. (June 2017). Temporal evolution of memory for the attack of September 11, 2001: Lexical analysis of flashbulb memories through 10-year follow-up. Canadian Psychology Association, Toronto, Ontario, Canada.
16. **Dégeilh, F.**, Viard, A., Guérolé, F., Gaubert, M., Egler, P.J., Egret, S., Gerardin P, Baleyte, J.M., Eustache, F., Dayan, J., Guillery-Girard, B. (March 2016). Amygdala and prefrontal dysfunction during negative self-appraisal in paediatric post-traumatic stress disorder. British and French Neuropsychological Societies, London, UK.
17. **Dégeilh, F.**, Guillery-Girard, B., Dayan, J., Gaubert, M., Chételat, G, Egler, P.J., Baleyte, J.M., Eustache, F., Viard, A. (Sept. 2015). Anterior cingulate cortex specialization and development for appraisal of self through adolescence. International Society for the Study of Behavioural Development, Geneva, Switzerland.
18. **Dégeilh, F.**, Dayan, J., Egret, S., Gaubert, M., Mézenge F., Egler, P.J., Guérolé F, Baleyte, J.M., Eustache, F., Guillery-Girard, B., Viard, A. (April 2014). [Memory and self-perception in adolescents with post-traumatic stress disorder : A case series in neuroimaging] (Fr). Séminaire transversal de l'EPHE, Paris, France.

Conference organization - Member of the scientific committee

Société Québécoise de Recherche pour la Psychologie
March 2017, Montréal, Québec, Canada

Centre de Recherche en Neuropsychologie et Cognition
March 2017, St-Sauveur, Québec, Canada

Symposium organization at conferences

Société Québécoise de Recherche pour la Psychologie
[Positive and negative factors of brain development in childhood and adolescence]. (French)
March 2017, Montréal, Québec, Canada

Membership scientific organizations

Flux society, 2018-
International Congress on Infant Studies, 2018-
Quebec Bio-Imaging Network (RBIQ), 2017-
Société Québécoise de Recherche pour la Psychologie (SQRP), 2017-2018
Society for Research in Child Development (SRCD), 2019-

Reviewer for peer-reviewed journals

Child Development
Developmental Cognitive Neuroscience
Psychological Medicine

Knowledge Transfer – Public or vulgarization activities

Articles in Science&Santé, n°27, Sept. Oct. 2015