

# Curriculum Vitae

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## Holly Rayson

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The main focus of my research is on neurocognitive development underlying social perception and social interaction, as well as the effects of early social experience on socio-cognitive and affective functioning. My recent work was supported by a Marie Curie Individual Fellowship, and focused on the relationship between early social adversity and anxiety risk. I use multimodal techniques to address my research questions of interest, including electroencephalography (EEG), eye-tracking, behavioural observation, magnetic resonance imaging (MRI), longitudinal research designs, and advanced statistical methods.

## A. QUANTITATIVE

### **EDUCATION**

#### **PhD in Developmental Cognitive Neuroscience**

*University of Reading, Reading, UK*

Date of Award: 31/03/17

Supervisor: Lynne Murray

Thesis Title: "Development of mirror systems for opaque actions and the influence of early mother-infant interactions"

#### **MSc in Development and Psychopathology**

*University of Reading, Reading, UK*

Grade: Distinction

Date of Award: 09/10/12

#### **BSc in Psychology**

*University of Warwick, Coventry, UK*

Grade: First Class Honours

Date of Award: 07/07/10

### **ACADEMIC POSITIONS**

#### **Postdoctoral Researcher and Research Project Manager**

*Hôpital Femme Mère Enfant (HFME), HCL, Bron, France*

Supervisor: Pierre Fourneret

Projects: Effects of early parent-infant interactions and perinatal mental health on infant neurocognitive development

Dates: 08/01/25 to current

#### **Postdoctoral Researcher**

*Institut des Sciences Cognitives- Marc Jeannerod, CNRS, Bron, France*

Supervisor: Pier Francesco Ferrari

Project: Longitudinal effects of early social experience on neurocognitive and behavioural outcomes in macaque monkeys

Dates: 16/10/17 to 15/03/24

#### **Postdoctoral Researcher**

*School of Psychology and Clinical Language Sciences, University of Reading, Reading, UK*

Supervisor: Helen Dodd

Project: Neural and behavioural predictors of anxiety in preschool children and across the transition to school

Dates: 01/01/17 to 07/09/17

### **AWARDED FUNDING**

For all grants and fellowships presented below, I led or was significantly involved in: a) the conception and design of the project; ii) the writing of the proposal; and iii) the implementation of the project including project management, student supervision, data collection, analysis, and the writing of papers.

#### **Springboard Programme for UK-France ECR Partnership Grant to Ross Vanderwert and James Bonaiuto (named postdoctoral researcher)**

*British Council (2023-2024)*

Project titled: 'Examining sensorimotor beta in developmental disorders'

Total amount: €11,644; This grant is a direct result of my research with infant sensorimotor beta bursts, and I have been centrally involved in the design and writing of the proposal.

#### **ANR AAPG Grant to Suliann Ben Hamed and Pier Francesco Ferrari (named postdoctoral researcher)**

*Agence Nationale de la Recherche (2023-2027)*

Project titled: 'Understanding how early adverse experience impacts macaques' social cognition and associated brain functions'

Total amount: €832,532; I have a senior role in this project, including task design and co-supervision of a PhD student.

#### **ANR AAPG Grant to Pier Francesco Ferrari and Bassem Hiba (named postdoctoral researcher)**

*Agence Nationale de la Recherche (2019- 2023)*

Project titled: 'Role of the Amygdala-Prefrontal Network in the Emergence of Anxiety: Impact of Early Life Adversity in a Nonhuman Primate Model'

Total amount: €459,919; I had a senior role in this project, including the design and writing of the proposal, management of the project, and supervision of a PhD student.

#### **Marie Curie Individual Fellowship (recipient)**

*European Commission (2019- 2021)*

Project titled: 'Anxiety across childhood and adolescence: Neural, psychological, and social factors' Considered the most prestigious postdoctoral fellowship in Europe.

Total amount: €196,707.84; considered the most prestigious postdoctoral fellowship in Europe.

#### **Ophtalmologie et Sciences de la vision Berthe Fouassier Grant to Pier Francesco Ferrari (named postdoctoral researcher)**

*Fondation de France (2018- 2019)*

Project titled: 'Development of oculomotor and visual face processing networks as a predictor of visuomotor social skills and their impairments'

Total amount: €113,400. I was involved in the writing of this proposal and its management.

#### **MRC Doctoral Training Fellowship (recipient)**

*Medical Research Council (2012- 2016)*

Project titled: 'The development of affective regulation and disturbance'

This was a prestigious fully funded fellowship (covering tuition fees and a yearly stipend), granted based on a proposed project and interview.

#### **School of Psychology and Clinical Language Sciences MSc Scholarship (recipient)**

*University of Reading (2011- 2012)*

This was a scholarship to cover tuition fees that was given to the programme applicant who achieved the highest grade for their undergraduate degree.

### **FUNDING SUBMISSIONS**

I have recently submitted, as a PI or major collaborator, the funding proposals below. I managed and co-lead the writing of the last two proposals with Julien Dubreuccq. Responses regarding success are expected later in 2025.

**ERC Consolidator Grant (principal investigator)**

*European Commission*

Project titled: Understanding facial expressions in infancy: Neural representations, learning mechanisms, and their interactions

Total amount: €2,000,000.

**Programme Hospitalier de Recherche Clinique (collaborator: PI, Julien Dubreuccq)**

*Ministère de la Santé et de la Prévention*

Project titled: Preventing transdiagnostic and intergenerational risk for emotion dysregulation (PREVENT)

Total amount: €900,000.

**ERC Synergy Grant (collaborator; PI, Julien Dubreuccq)**

*European Commission*

Project titled: Discerning subtypes to improve interventions based on shared decision making in the context of postnatal depression (DISCERN-PPD)

Total amount: €10,000,000.

**PUBLICATIONS**

I have made significant and influential contributions to the fields of development, cognitive neuroscience and psychology, and I have advanced expertise in multiple methodological approaches for assessing brain and behaviour. This is reflected in the publication list presented below.

Rolland, E., Nodé-Langlois, O., Tkaczynski, P.J., **Rayson, H.**, Crockford, C., & Wittig, R.M. (*submitted*). Maternal styles exist in wild chimpanzees but are poor predictors of attachment types.

Zhang, S., Szul, M., Papadopoulos, S., Massera, A., Bonaiuto, J.J.\*\* & **Rayson, H.\*\*.** (*under review*). Multi-scale parameterization of periodic neural activity with lagged Hilbert coherence. *bioArxiv*. DOI: <https://doi.org/10.1101/2024.12.05.627017>.

Belluardo, M. Errante, A., De Stefani, E., Bianchi, B., Barbot, A., Ziccarelli, S., **Rayson, H.**, & Ferrari, P.F. (*under review*). Atypical somatosensory cortical organization in patients with congenital facial paralysis following surgery.

Ryan, Z., **Rayson, H.**, Morriss, J., & Dodd, H. (*under review*). Does Intolerance of Uncertainty predict child anxiety? A longitudinal study.

Rolland, E., Nodé-Langlois, O., Girard-Buttoz, C., **Rayson, H.**, Crockford, C., & Wittig, R.M. (*accepted*). Evidence of organized, but not disorganized, attachment in wild Western chimpanzee offspring (*Pan troglodytes verus*). *Nature Human Behaviour*.

Goupil, N., **Rayson, H.**, Serraille, E., Massera, A., Ferrari, P.F., Hochmann, J.R., & Papeo, L. (2024). Visual preference for socially relevant spatial relations in humans and monkeys. *Psychological Science*, 09567976241242995.

Putnam, S. P., Sehic, E., French, B., Gartstein, M.A., Lira Luttges, B., and **489 Members** of the Global Temperament Project. (2024). The Global Temperament Project: Parent-Reported Temperament in Infants, Toddlers and Children from 59 Nations. *Developmental Psychology*.

- Manuscript based on a large international collaboration led by Samuel Putnam between 56 research groups using the Infant Behaviour Questionnaire to investigate temperament in early development across many cultures.

Bihan-Poudec, Y., Tounekti, S., Troalen, T., Froesel, M., Lamberton, F., Gacoin, M., **Rayson, H.**, Richard, N., Ben Hamed, S., Hiba, B. (2023). Triggered 3D Multi-Shot Echo-Planar Imaging for High Resolution Diffusion MRI of the Rhesus Macaque Brain. *Imaging Neuroscience*, 1, 1-13.

**Rayson, H.**, Szul, M., El-Khoueiry, P., Debnath, R., Ferrari, P.F., Fox, N., & Bonaiuto, J.J. (2023). Bursting with potential: How sensorimotor beta bursts develop from infancy to adulthood. *Journal of Neuroscience*, 43(49), 8487-8503.

Hunt, B.W., **Rayson, H.**, Wuerger, S., Bannard, C., & De Pascalis, L. (2023). In the mind of the beholder: The effects of habituation on the perception of atypical infant facial configurations. *PLOS ONE*, 18(7), e0289057.

Massera, A., Bonaiuto, J.J., Ferrari, P.F.\*\*, & **Rayson, H.\*\*** (2023). Longitudinal effects of early social adversity on macaque executive function: Evidence from computational modelling. *Proceedings of the Royal Society B: Biological Sciences*, 290(1996), 20221993.

- \*\* Joint last authors

**Rayson, H.**, Ryan, Z., & Dodd, H. (2023). Behavioural inhibition and early neural processing of happy and angry faces interact to predict anxiety: a longitudinal ERP study. *Developmental Cognitive Neuroscience*, 101207.

Belluardo, M., De Stefani, E., Barbot, A., Bianchi, B., Zannoni, C., Ferrari, A., **Rayson, H.**, Di Nuovo, S., Belluardo, G., Sessa, P., & Ferrari, P.F. (2022). Facial expression time processing in typical development and in patients with congenital facial palsy. *Brain Sciences*, 12(5): 516.

Murray, L., **Rayson, H.**, Ferrari, P.F., Wass, S., & Cooper, P.J. (2022). Dialogic book-sharing as a privileged intersubjective space. *Frontiers in Psychology*, 249.

**Rayson, H.**, Debnath, R., Alavizadeh, S., Fox, P. F. Ferrari, & Bonaiuto, J.J. (2022). Detection and analysis of cortical beta bursts in developmental EEG data. *Developmental Cognitive Neuroscience*, 101069.

**Rayson, H.**, Massera, A., Belluardo, M., Ben Hamed, S., & Ferrari, P.F. (2021). Early social adversity modulates the relationship between attention biases and socioemotional behaviour in juvenile macaques. *Scientific Reports*, 1(1), 1-11.

**Rayson, H.\***, Festante, F\*, Paukner, A., Kaburu, S., Toschi, G., Fox, N.A., & Ferrari, P.F. (2021). Oxytocin promotes prosocial behavior and related neural responses in infant macaques at-risk for compromised social development. *Developmental Cognitive Neuroscience*, 48, 100950.

- \* Joint first authors

Dodd, H., **Rayson, H.**, Ryan, Z., Bishop, C., & Stuijzand, B. (2020). Trajectories of anxiety when children start school: the role of Behavioural Inhibition and attention bias to angry and happy faces. *Journal of Abnormal Psychology*, 129(7), 701.

**Rayson, H.**, Bonaiuto, J.J., Ferrari, P.F., Chakrabarti, B., & Murray, L. (2019). Building blocks of joint attention: Early sensitivity to having one's own gaze followed. *Developmental Cognitive Neuroscience*, 100631.

Murray, L., Sclafani, V., **Rayson, H.**, De Pascalis, L., Bozicevic, L., & Ferrari, P. F. (2017). Beyond aerodigestion: exaptation of feeding-related mouth movements for social communication in human

and non-human primates. Commentary on Keven & Akins target article, Neonatal Imitation in Context: Sensory-motor development in the perinatal period. *Behavioral and Brain Sciences*, 40, e397.

**Rayson, H.**, Bonaiuto, J.J., Ferrari, P.F., & Murray, L. (2017). Early maternal mirroring predicts infant motor system activation during observation of facial expressions. *Scientific Reports*, 7(1), 11738.

**Rayson, H.**, Parsons, C.E., Young, Goodacre, T., K.S., Kringelbach, M.L., McSorley, E., & Murray, L. (2017). Effects of Infant Cleft Lip on Adult Gaze and Perceptions of “Cuteness”. *The Cleft Palate-Craniofacial Journal*, 54, 562-570.

De Pascalis, L., Kkeli, N., Chakrabarti, B., Dalton, L., Vaillancourt, K., **Rayson, H.**, Bicknell, S., Goodacre, T., Cooper, P., Stein, A., & Murray, L. (2017). Maternal gaze to the infant face: Effects of infant age and facial configuration during mother-infant engagement in the first nine weeks. *Infant Behaviour and Development*, 46, 91-99.

**Rayson, H.**, Bonaiuto, J.J., Ferrari, P.F., & Murray, L. (2016). Mu desynchronization during the observation and execution of facial expressions in 30-month-old children. *Developmental Cognitive Neuroscience*, 19, 279-287.

### **PAPERS IN PREPARATION**

The manuscripts below further demonstrate my scientific contributions thus far, illustrating extensive theoretical and methodological expertise.

**Rayson, H.**, Bozicevic, L., & Murray, L. (*in prep.*). Early social experience shapes infants’ multidimensional neural encoding of facial expressions.

**Rayson, H.\***, Massera, A.\*, Hind, E., Froesel, M., Gacoin, M., Belluardo, M., Ben Hamed, S., Hiba, B.\*\*, Ferrari, P.F.\*\* (*in prep.*). Impacts of early social adversity on long-term trajectories of structural brain development and affective regulation in macaques.

- \* Joint first authors
- \*\* Joint last authors

**Rayson, H.\***, Clavagnier, S.\*, Massera, A., Froesel, M., Gacoin, M., Belluardo, M., Hiba, B., Ben Hamed, S.\*\*, & Ferrari, P.F.\*\* (*in prep.*). Whole-brain functional connectivity of the amygdala and striatum in macaques exposed to early social deprivation.

- \* Joint first authors
- \*\* Joint last authors

**Rayson, H.**, Ryan, Z., & Dodd, H. (*in prep.*). Attention-related ERP components interact with Behavioural Inhibition to predict gaze biases to angry and happy faces in preschool children.

**Rayson, H.** & Bonaiuto, J.J. (*in prep.*). Beta bursts and beta oscillations: Multiple roles in sensorimotor activity.

### **SELECTED TALKS AND POSTER PRESENTATIONS**

Below is a selection of conference posters I have presented (or I am senior author on) and talks I have been invited to give at conferences or specific institutions.

**Rayson, H.** (2024). Understanding facial expressions in infancy: Role of early caregiver-infant interactions. *Talk at the Expressing Emotions conference, Erice, Sicily.*

Massera, A. & **Rayson, H.** (2024). Trajectories of anxiety across adolescence in macaques exposed to early social adversity: A longitudinal MRI study. In Brain Mechanisms of Adversity and Anxiety in

Nonhuman Primates and Youth. *Talk at the Society of Biological Psychiatry Annual Meeting, Austin, US.*

**Rayson, H.**, Szul, M., El-Khoueiry, P., Debnath, R., Ferrari, P.F., Fox, N., & Bonaiuto, J.J. (2023). Bursting with potential: How sensorimotor beta bursts develop from infancy to adulthood. *Poster presented at the International Society for Developmental Psychobiology Conference., Utrecht, Netherlands*

Massera, A.\* , Hind, E.\* , Bonaiuto, J., Froesel, M., Gacoin, M., Belluardo, M., Ben Hamed, S., Hiba, B., Ferrari, P.F.\*\* , & **Rayson, H.\*\*** (2023). Executive function development and its neural correlates in macaques: Effects of early social adversity. *Poster presented at the Neurofrance conference, Lyon, France.*

- \*Joint first authors
- \*\*Joint last authors

Massera, A.\* , Hind, E.\* , Bonaiuto, J., Froesel, M., Gacoin, M., Belluardo, M., Ben Hamed, S., Hiba, B., Ferrari, P.F.\*\* , & **Rayson, H.\*\*** (2023). Executive function development and its neural correlates in macaques: Effects of early social adversity. *Poster presented at the Society for Research on Child Development conference, Salt Lake City, US.*

- \*Joint first authors
- \*\*Joint last authors

Clavagnier, S.\* , **Rayson, H.\***, Froesel, M., Gacoin, M., Massera, A., Hamed, S., Ferrari, P.F., & Ben Hamed, S. (2022). Early social adversity in non-human primates interferes with the developmental trajectory of amygdalo-cortical functional connectivity. *Poster presented at the Federation of European Neuroscience Societies Forum, Paris France.*

- \*Joint first authors

**Rayson, H.**, Massera, A., Froesel, M., Gacoin, M., Clavagnier, S., Belluardo, M., Hiba, B., Ben Hamed, S., & Ferrari, P.F. (2021). Longitudinal effects of early social adversity on behavioural and brain development in rhesus macaques. *In Functions of Primate Prefrontal Nodes in Complex Social Behaviour. Talk at the Virtual Congress of the Italian Society for Neuroscience.*

**Rayson, H.**, Bonaiuto, J.J., Ferrari, P.F., Chakrabarti, B., & Murray, L. (2021). Effects of early interactions on infant sensitivity to having own gaze followed. *In Recognising and Shaping Opportunities for Learning: Neurocognitive Insight into Active Learning in Early Infancy. Talk at the Society for Research in Child Development Virtual Conference.*

**Rayson, H.**, Massera, A., Belluardo, M., Ben Hamed, S., & Ferrari, P.F. (2020). Early social adversity influences the relationships between attention biases and socioemotional behaviour in juvenile macaques. *Poster presented at the International Society for Developmental Psychobiology Virtual Conference.*

**Rayson., H.** (2019). Early sensitivity to having one's gaze followed. *Talk at the University of Maryland, College Park, US.*

**Rayson, H.**, Festante F., Toschi G., Kaburu S., Paukner A., Barr C.S., Fox N.A., & Ferrari P.F. (2018). Oxytocin influences neural responses to facial expressions in infant macaques. *Poster presented at the Society for Neuroscience, San Diego, US.*

**Rayson, H.** (2017). Mu rhythm desynchronization during the observation of facial expressions in children and infants: Influence of early mother-infant interactions. *Talk at the Institut des Sciences Cognitives, CNRS, Bron, France.*

**Rayson, H.,** Bonaiuto, J, Ferrari, P.F., & Murray, L. (2016). Oscillatory correlates of infant sensitivity to another following their gaze. *Poster presented at the International Congress of Infant Studies, New Orleans, US.*

**Rayson, H.** (2015). Mirror neuron system development and the role of early mother-infant interactions. *Talk at Birkbeck University, London, UK.*

**Rayson, H.,** Bonaiuto, J., Ferrari, P.F., & Murray, L. (2015). Mu rhythm desynchronization during the observation of emotional and non-emotional facial expressions in 30-month-old infants. *Poster presented at the Society for Neuroscience, Chicago, US.*

## **TEACHING AND SUPERVISORY EXPERIENCE**

### **PhD Candidate Co-Supervisor (Alice Massera)**

*Institut des Sciences Cognitives- Marc Jeannerod, CNRS, France (2019-2023)*

### **MSc and PhD Research Internship(s) Supervisor**

*Institut des Sciences Cognitives- Marc Jeannerod, CNRS, France (2018-present)*

### **MSc Research Placement(s) Supervisor**

*University of Reading, UK (2015-2017)*

### **Undergraduate Research Placement(s) Supervisor**

*University of Reading, UK (2014-2015)*

### **Ad Hoc Undergraduate Teaching Assistant**

*University of Reading, UK (2012-2015)*

Topic: Research skills

### **Undergraduate Teaching Assistant**

*University of Reading, UK (2012-2014)*

Topic: Statistics

### **Undergraduate Seminar Leader**

*University of Reading, UK (2012-2014)*

Topic: Developmental psychology

## **PROFESSIONAL QUALIFICATIONS**

**Qualification des Personnels des Etablissements d'Experimentation Animale,** Marseille, France (2018)

**BBK-UCL NIRS Training Course,** London, UK (2017)

**Core EEG Skills, EGI Summer School,** Stockholm, Sweden (2013)

## **EDITORIAL CONSULTING**

**Proposal reviewer:** Graduate Women in Science National Fellowship Program (2024)

**Review Editor:** Frontiers in Psychology, Editorial Board of Developmental Psychology (2021-ongoing)

**Ad-hoc Reviewer:** Developmental Cognitive Neuroscience, NeuroImage, Social Cognitive and Affective Neuroscience, Infancy, Developmental Psychology, Brain and Behaviour, Psychological

Medicine, Journal of Applied Developmental Psychology, Cognition and Emotion, Scientific Reports, PLOS ONE, Frontiers in Psychology, Journal of Cognitive Psychology, Proceedings of the Royal Society B.

## **OTHER PROFESSIONAL ROLES AND EXAMPLE OUTREACH**

### **LENA project content creator, *Online, France (2024-ongoing)***

I am writing content for the LENA project (an ongoing project involving a collaboration across a number of psychiatric and research centres across the Rhone-Alps region, led by Julien Debreucq) website. This is being created to provide information to parents, clinicians, and the wider public on perinatal psychopathologies, including effects of parental mental health conditions on infant development.

### **Bringing students closer to the world of research, *Institut des Sciences Cognitives Marc Jeannorod, CNRS, France (2023-2024)***

I participated in a project led by young researchers at the Institut des Sciences Cognitives Marc Jeannorod, in which research scientists mentor high-school students conducting short research projects.

### **‘Careers in research’ speaker, *Cal Poly Humboldt University, Online, US (2023)***

I was asked to be a speaker for an undergraduate neuroscience class in the US where students are given the opportunity to learn more about neuroscience research and ask questions about working as a scientific researcher.

### **Manager of the ISC Twitter account, *Institut des Sciences Cognitives Marc Jeannorod, CNRS, France (2019-2022)***

I was responsible for the running of the institute account, including the posting and creation of content.

### **Book launch, ‘*The Psychology of Babies*’ by Professor Lynne Murray, *Reading, UK (2014)***

I aided in the set-up and running of this event hosted by my PhD supervisor, Lynne Murray, for parents who featured in her book and other adults and children who wanted to learn more about early psychological development.

### **Talk at the West Berkshire Community Hospital, *Thatcham, UK (2013)***

I gave a talk as part of an event to share the latest research findings on the impact of cleft lip on infant development and parenting, attended by doctors, nurses, and other members of hospital staff working with infants with facial disfigurements.

## **B. NARRATIVE**

Throughout my academic career, I have significantly advanced the fields of developmental cognitive neuroscience and psychology, with my research receiving international and national recognition. My doctoral and postdoctoral findings have been disseminated through numerous talks and poster presentations across the UK, Europe, and the US, targeting a diverse audience spanning basic neuroscience (e.g. Society for Neuroscience), developmental cognitive neuroscience (e.g. International Society for Developmental Psychobiology), and psychology (e.g. Research in Child Development). Notably, my publications in premier journals, such as *Developmental Cognitive Neuroscience*, which is the learning journal in my field (Rayson et al., 2016; 2019; 2021; 2022; 2023), and more broadly focused journals such as the *Journal of Neuroscience* (Rayson et al., 2023) underscore the interdisciplinary appeal and impact of my work across basic neuroscience, psychology, and clinical research.



I have strong expertise in early neurocognitive development and the effects of early social experience on different socioemotional outcomes, including on neural mechanisms underlying early social perception and how this may contribute to risk for psychopathology in later life. Furthermore, I have a unique understanding of these topics from a comparative viewpoint, having worked with both human and non-human primates. I possess a versatile skill-set in neurodevelopmental methods, including EEG, MRI, eye-tracking, and behavioural observation, complemented by recent work with computational modelling and MEG. This methodological flexibility enables me to tailor a multimodal approach to most effectively address specific research questions of interest. I have demonstrated exceptional aptitude in securing both individual and collaborative research funding, highlighted by a prestigious Medical Research Grant for my PhD and a Marie Curie Individual Fellowship for postdoctoral research. I have also made major contributions to the design, writing, and implementation of a number of successful grant applications since working as a postdoc at the CNRS, including funding from the Fondation de France and ANR. I have also recently applied for a number of other funding calls as a PI or major collaborator (results expected later in 2025). This includes an ERC consolidator grant application, which I have updated based on a submission I made last year for which I reached the interview stage. Such grants would aid me in a new more senior researcher position, and my application to them underscores my ambition and potential for further research leadership.

Crucially for a senior researcher role, I also have extensive experience in student mentorship and supervision, ranging from the undergraduate to doctoral level. I have successfully managed several complex research projects, including organisational and research aspects. Notably, I have also made significant contributions to the wider scientific environment via extensive involvement in peer review (e.g. as an ad-hoc reviewer or grant reviewer), and in terms of outreach via my work publicising the research of my current institutions (e.g. ISC CNRS twitter account manager) and with children and students to teach them more about careers in research (e.g. volunteer in a local high school mentoring project). This reflects my dedication to nurturing the next generation of researchers and promoting scientific literacy. Altogether, I believe that my contributions to the field of developmental cognitive neuroscience, my methodological versatility, success in securing funding, and my leadership in both research and community engagement, position me as a prime candidate for a Chargée de Recherche (CR) position at the CNRS.