

ALICIA KOPLOWITZ ADVANCE TRAINING FELLOWSHIPS – 2022 CALL

Centre :

- **Service Universitaire de Psychiatrie de l'Enfant et de l'Adolescent.** Centre Hospitalier de Versailles. Faculty of Medicine and Health Sciences. Université Paris Saclay - Versailles. <http://www.uvsq.fr>
- **Equipe INSERM « Psychiatrie du développement et trajectoires ».** Centre de Recherche en Épidémiologie et Santé des Populations, UMR 1018, Université Paris-Saclay, UVSQ. <https://cesp.inserm.fr>

Tutor: Pr Mario Speranza

- Professeur de Psychiatrie de l'Enfant et de l'Adolescent. Faculté de Médecine et Sciences de la Santé. Université de Paris-Saclay - Versailles. Chef du Service Universitaire de Psychiatrie de l'Enfant et de l'Adolescent. Centre Hospitalier de Versailles. Chef de l'équipe INSERM « Psychiatrie du développement et trajectoires », Centre de Recherche en Épidémiologie et Santé des Populations, UMR 1018, Université Paris-Saclay. <https://cesp.inserm.fr>. Directeur de la Graduate School Santé Publique. Université Paris-Saclay.

The Fellow will be affiliated to the Département Universitaire de Psychiatrie de l'Enfant et de l'Adolescent du Centre Hospitalier de Versailles. The Department is responsible for a research team on neurodevelopmental disorders affiliated to the Centre de Recherche en Épidémiologie et Santé des Populations (CESP), UMR 1018, Université Paris-Saclay, UVSQ.

Please list and provide a brief explanation of the research projects that are currently being conducted in your department and in which the future fellows could take part in?

Research Area:

The principal scientific objective of the research team is to better understand the clinical heterogeneity of neurodevelopmental disorders, their biopsychosocial determinants, and the underlying mechanisms: specific goals include identifying biomarkers, promoting preventive measures, and developing individualized treatments adapted to each patient's clinical manifestations, age, and life context. The team uses a longitudinal multidisciplinary approach integrating clinical epidemiology, neurosciences and social sciences with innovative methodological and statistical approaches to improve the understanding of neurodevelopmental disorders and their outcomes.

The Unit's research focuses on a number of topic areas and has a number of on-going research projects. Current research opportunities include:

- Study of electrophysiological markers of social cognition disorders in autism and ADHD.
- Biostatistical modeling of the trajectories of neurodevelopmental disorders and disabilities applied to cross-sectional and longitudinal data (cohort of ASD adults without ID of the FondaMental Foundation).
- Assessment of early interventions on social cognition in autism (ESDM and PACT).
- Assessments of a parental DBT program for borderline personality disorders in adolescents (Family connection).
- Use of neurofeedback-type medical devices for disorders of emotional regulation.
- Validation of the effectiveness of the use of avatars for remediation of social cognition in schizophrenia.

In relation to those research projects, please specify the activities in which the fellows will be able to take part? (e.g. data collection, hypothesis formulation, data analyses, writing up papers, etc.)

The fellow will be involved in several parts of the ongoing research projects.

Please specify statistical support available to the fellows for the development of their research activity? (e.g. statistician input, attendance to statistical courses, skills meetings, etc.)

The INSERM team "Developmental psychiatry and trajectories" is part of the Centre de Recherche en Épidémiologie et Santé des Populations (UMR 1018, Université Paris-Saclay, UVSQ) which is one of the main centres of clinical epidemiology in France. The CESP is responsible for several masters in biostatistics and has a methodological platform that can be called upon to supervise research projects.

How much of the fellows' working time will be dedicated to research activities?

The Fellowship will be equally split between research and clinical experience with approximately 2.5 days per week dedicated to research activities.

Clinical Area :

Could you list the type of clinical placements the fellows could attend (e.g. generic outpatient services, inpatient units, specialist teams, etc.)?

The University Department of Child and Adolescent Psychiatry is composed of an outpatient clinical activity organized by age groups (children/adolescents) which addresses the local territorial sector of the city of Versailles (local Child and Adolescent Mental Health Services, CAMHS) and specialized hospital activities organized by branches and sub-units at the General Hospital of Versailles with access to genetic/neuroimaging facilities and neuropsychological assessments:

Neurodevelopmental disorders

- Coordination platform for neurodevelopmental disorders
- ASD Early Diagnosis Unit (0-5 years)
- ASD Assessment Centre (children/adolescents)
- Early Intervention Unit for ASD (Early Start Denver Model and PACT)
- ADHD and Learning Disabilities Assessment and Management Unit
- Expert Centre for ASD without intellectual disability (Asperger's) (adolescents/young adults)

Behavioral disorders

- Interventions in emergencies and crisis consultation
- Day canter for emerging borderline personality disorders
- Inpatient unit (suicidal adolescents/emerging borderline personality disorder)
- Paediatric liaison psychiatry

The clinical training program will be individually tailored to the Fellow according to his interests and project. It will include the following:

- General child and adolescent psychiatry seen in general child psychiatric clinics at CAMHS (assessment, formulation and diagnosis).
- Community psychiatry, through work with primary mental health workers setting up programs in schools, with social services (for looked after children) and in the management of children who present in crisis at emergency rooms.
- Child and adolescent psychopharmacology.
- Individual, group and family psychotherapies (psychodynamic psychotherapy)
- Parent training programs (Barkley, Incredible Years, Family Minds)

- Specialized child and adolescent psychiatry, specifically autism and related disorders, learning disability, attention deficit hyperkinetic disorders.
- Liaison psychiatry with pediatrics
- Borderline personality disorders, PTSD and complex trauma
- Specialized psychotherapy, especially in the domain of Borderline Personality Disorders (Mentalization Based Therapy, Good Psychiatric Management for BPD, Basic Dialectical Behavioral Therapy).

Could you describe the fellows' role in relation to participation in assessments and treatments in their clinical placements?

The fellow will be allocated to one of the placements of the Department according to its interests. We propose a change of placement every 6 months which corresponds to the rotation period of our French residents. The fellows will participate to assessments and interventions with a level of autonomy dependent on the maturity of the Fellow.

What are the requirements for psychiatrists and psychologist in order to be able to have a clinical role?

For both psychiatrists and psychologists, the clinical activity is under the responsibility of the senior staff of the team. Clinical responsibilities will be given to the Fellows according to their level of autonomy which will of course evolve during the training fellowship.

How much of the fellows' working time will be dedicated to clinical work?

Fellow's time will be equally split between research and clinical experience with approximately 2.5 days per week dedicated to clinical activities.

Academic Area:

Will the fellows be able to join a specific academic program? If so, could you briefly describe the structure of this program?

The department is in charge of two specialized university programs, One in autism and neurodevelopmental disorders and a second one on learning disorders. Fellows will be able to join the programs which consist of specialized teaching and clinical activities. The curriculum consists of 2 full days per month of lectures by several specialists and several related clinical activities.

Will the fellows be able to attend other training courses outside the specific academic program (e.g. university courses, therapy workshops, etc.)?

The Department is affiliated to the University of Geneva (SW) and to the Anna Freud Centre (University College London, UK) as a training center in Mentalization Based Treatment for Borderline Personality Disorders. Fellows will be trained and supervised in MBT during the fellowship.

The department is also an active member of Fondation FondaMental and the fellow will have access to all the training courses launched by Fondation FondaMental, as well as to the meetings of the expert centers.

Please specify annual budget available to the fellow for training.

The specific budget allowed to the Fellows are not defined in advance, but they are decided according to specific objectives and training opportunities.

Please specify the clinical and research supervision offered to the fellow over the 2-years fellowship.

Each clinical placement is coordinated by a senior clinician who acts as a clinical supervisor of the resident/fellow. Groupe supervisions are also proposed with other residents.

Bimonthly research meetings are organized in the department. Residents/Fellows can present their work and be supervised by the research team. Individual supervision of the research project of the fellow by team members is available according to specific topics.

Pr Mario Speranza





FHU ADAPT
Médecine de Précision
en Addictologie et Psychiatrie



université
PARIS-SACLAY

ALICIA KOPLOWITZ ADVANCE TRAINING FELLOWSHIPS – 2022 CALL

Clinical unit: Child and Adolescent Psychiatry department in Orsay Hospital, Groupe Hospitalier Nord-Essonne (Greater Paris).

Laboratory: [NeuroSpin](#), [CEA](#), Université Paris-Saclay, France.

Tutor: Dr. Julie Bourgin

Dr Julie Bourgin (MD, PhD) is the head of the Child and Adolescent Psychiatry department in Orsay Hospital. She specializes in detection and intervention of ultra high risk subjects of psychosis. Julie Bourgin is a member of the International Early Psychosis Association. She is coordinating the research projects in Child And Adolescent Psychiatry of the FHU ADAPT (Precision Medicine in Psychiatry, Pr. Leboyer) and is an investigator of the RHU PsyCare research program (Early intervention in Psychosis).

Research Area:

[NeuroSpin](#) is a leading research center in neurosciences which is dedicated to developing novel methodological approaches to explore the brain using brain imaging. NeuroSpin staff includes a critical mass of experts in algorithmic research targeting all aspects of neuroimaging and its integration with other modalities such as genomic and clinical data. NeuroSpin has also a leading expertise in multi-centric databases and statistical analysis: it is co-leader of the national [CATI](#) infrastructure to collect and harmonize MRI at European scale. NeuroSpin has strong expertise in data analysis and machine learning: it has designed machine learning software such as [scikit-learn](#) and [Parsimony](#). Moreover, NeuroSpin is in charge of the two largest multi-centric, multi-modalities European databases: EU-AIMS (European Autism Interventions - A Multicentre Study for Developing New Medications) and [IMAGEN](#) (dedicated to the study of addiction in adolescents). E. Duchesnay has a [chair in Artificial Intelligence](#) at [Paris-Saclay University](#). He leads the “signature” team at NeuroSpin whose goal is to design machine learning models dedicated to produce interpretable predictive signatures for brain disorders. The team leads the “analysis work package” of European Project [R-LINK](#) (Optimizing response to Lithium treatment through personalized evaluation of individuals with bipolar I) or large national project [PsyCARE](#) (RHU). Preventing psychosis through personalized care.

In relation to those research projects, please specify the activities in which the fellows will be able to take part? (e.g. data collection, hypothesis formulation, data analyses, writing up papers, etc.)

In collaboration with PhD students in artificial intelligence, the future fellows will be involved in exploring large heterogeneous “transdiagnostic” neuroimaging databases that have been gathered and preprocessed by the research team. The goal will be two-fold: (i) identifying normative models of

brain development and ageing in order to better identify the specific brain trajectories toward psychosis or chronic schizophrenia. (ii) Following the Research Domain Criteria (RDoC) paradigm, identifying brain patterns that are associated with clinical dimensions. Those models will then be transferred to smaller and homogeneous neuroimaging dataset.

The fellow will be involved in hypothesis formulation, data analysis and the redaction of scientific papers.

Please specify statistical support available to the fellows for the development of their research activity? (e.g. statistician input, attendance to statistical courses, skills meetings, etc.)

Edouard Duchesnay and his team will provide statistical support for all those projects.

How much of the fellows' working time will be dedicated to research activities?

Equally split between research & clinical experience, and thus approximately 2.5 days per week are dedicated to research activities.

Clinical Area:

Julie Bourgin (MD, PhD) is the head of the Child and Adolescent Psychiatry department in Orsay Hospital. The clinical component of the Fellowship is linked to the local Child and Adolescent Mental Health Services which encompasses general child psychiatry clinics and specialist teams such as early intervention in psychosis, as well as in-patient services.

Could you list the type of clinical placements the fellows could attend (e.g. generic outpatient services, inpatient units, specialist teams, etc.)?

The fellows will be integrated to the adolescent unit which is implicated in the detection and treatment of ultra high risk subjects for psychosis. Our unit provides specialized care in clinical profile, conversion rate, suicidal thinking and behaviour in children and adolescents at ultra-high risk for psychosis. The clinical placements could be in both inpatient and outpatients units.

The clinical training draws from among the following components:

1. Assessment, formulation and diagnosis of Clinical high risk for psychosis in children and adolescents (training CAARMS scale "Comprehensive Assessment of At Risk Mental State")
2. Child and adolescent psychopharmacology in particular in early and very early onset schizophrenia in-patient units.
3. Liaison in Pediatrics, suicidal crisis management.
4. Outpatient activity with a large recruitment as learning disability, anxious disorders or attention deficit hyperkinetic disorders
5. Neuropediatric expertise for complex neurodevelopmental disorders in collaboration with the pediatric department (Dr Germanaud)

Could you describe the fellows' role in relation to participation in assessments and treatments in their clinical placements?

The fellow will be involved in patient assessment and treatment under the supervision of a senior child and adolescent psychiatrist. The fellow will be encouraged to formulate clinical hypotheses, propose

an individualized care plan and monitor the follow-up of each patient. Our goal is to help the fellow to gain autonomy and self-confidence through a close mentoring of the clinical supervisor.

What are the requirements for psychiatrists and psychologists in order to be able to have a clinical role?

Some basic knowledge in French is required. We will offer through the Paris Saclay University classes of French if needed.

How much of the fellows' working time will be dedicated to clinical work?

Equally split between research & clinical experience, and thus approximately 2.5 days per week are dedicated to research activities.

Academic Area:

Will the fellows be able to join a specific academic program? If so, could you briefly describe the structure of this program?

The fellow will attend grand rounds within the child and adolescent psychiatry (CAP) department as well as clinical seminars of CAP in Paris. These clinical seminars are part of the training of residents in child and adolescent psychiatry in Paris.

The fellow will be supervised in neuroimaging by experts of NeuroSpin. The fellow will have the opportunity to benefit from courses in statistics and artificial intelligence provided in Masters of Paris-Saclay university.

Will the fellows be able to attend other training courses outside the specific academic program (e.g. university courses, therapy workshops, etc.)?

Dr. Julie Bourgin is coordinator of the University Diploma in Early Intervention in psychosis ([Link](#)). This training will be offered to the trainee. The department is also an active member of Fondation FondaMental and the fellow will have access to all the training courses launched by Fondation FondaMental, as well as to the meetings of the expert centers.

Please specify the annual budget available to the fellow for training.

An annual of up to 20 000 euros will be dedicated to both the clinical and the research training.

Please specify the clinical and research supervision offered to the fellow over the 2-years fellowship.

Both clinical and research activity will be supervised by the mentors (Dr Julie Bourgin and M. Edouard Duchesnay) Both the research and clinical team involved in this project are part of the Paris-Saclay University (ranked #1 University in France, #14 worldwide). The research facility (Neurospin) and the hospital of Orsay are located nearby.

Dr Julie Bourgin



Centre D'excellence InovAND

Service de Psychiatrie Enfant & Adolescent

Professeur Delorme

Hôpital Robert Debré

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Paris

The 27th of April 2021

Centre: Excellence Centre InovAND for Autism & Neuro-developmental Disorders, Child and Adolescent Psychiatry Department, Robert Debré Hospital, Paris, France.

Tutor: Dr Ana Moscoso & Pr Hugo Peyre

Research Area:

Please list and provide a brief explanation of the research projects that are currently being conducted in your department and in which the future fellows could take part in?

Our medical team of the Child and Adolescent Psychiatry Department of the Robert Debré Hospital has been labeled **Excellence Centre for Autism & Neuro-developmental** in 2019. The research projects mainly focus on (i) Autisme Spectrum Disorder [ASD] and (ii) Attention Deficit Hyperactivity Disorder [ADHD]. Recently, (iii) In the context of COVID-19 pandemic, Pr Richard Delorme (head of the Child and Adolescent Psychiatry Department) has led national research investigating the psychological and psychiatric impact of lockdown on children and adolescents.

(i) Our future fellow will be involved in the ongoing cohorts of the Department. Currently, we are including children with ASD and their family (InFoR-Autism scientific program¹ & C0733²) to explore the genetic factors in causation and to facilitate discovery of biomarkers (HR-EEG, cMRI, genetic and metabolic biomarkers) with potential to enable early recognition and treatment. Our future fellow will participate to the **inclusion of participants** using structured and standardized diagnostic interview that address specific symptoms of neurodevelopmental disorders. A large sample of participants have already been included and the future fellow will be implicated in the **design and analysis** of projects focus on the comorbidity of neurodevelopmental disorders (ASD & ADHD, ASD and sleep disorders, ASD and Obsessive-Compulsive Disorders). These studies will be conducted in collaboration with the Pasteur Institute³.

(ii) Our Department is conducting research on a novel cognitive remediation device in virtual reality for treating ADHD. Virtual reality is an ecological tool, close to day to day life. This non-pharmacological remediation device might be useful in the treatment of symptoms of ADHD or as an association with pharmacological treatments. Our future fellow will participate in the **inclusion of participants** and will participate on the **data collection** of the virtual reality experience. He will later be involved in **data analysis** of the project.

(iii) Most European countries have responded to the COVID-19 pandemic by implementing nationwide lockdowns. The psychological and psychiatric impact of lockdown on children and adolescents is an important research area. We are conducting an observational multicenter retrospective cohort study at AP-HP Greater Paris University hospitals. We aim to determine whether the lockdown restrictions (such as school closures, restrictions of children's activities and contacts) have led to an increase of suicidal attempts and suicide in children and adolescents. Our future fellow will extend this project by comparing our results to those of similar studies conducted in other European countries.

¹ <https://www.cca.fr/english/Pages/News/AUTISM-SPECTRUM-DISORDERS-a-new-brain-imaging-study-appears-to-challenge-the-dominant-theoretical-model.aspx>.

² Septier, M., Peyre, H., Amsellem, I., *et al.* Increased risk of ADHD in families with ASD. *Eur Child Adolesc Psychiatry* 28, 281–288 (2019). <https://doi.org/10.1007/s00787-018-1206-0>.

³ <https://research.pasteur.fr/en/team/human-genetics-and-cognitive-functions>.

- In relation to those research projects, please specify the activities in which the fellows will be able to take part? (e.g. data collection, hypothesis formulation, data analyses, writing up papers, etc.)

The attendee fellow will participate on research projects through literature review (ASD cohorts, psychological and psychiatric impact of lockdown on children and adolescents), data collection (ASD cohorts and remediation device in virtual reality for ADHD), data analysis and writing up papers (ASD cohorts).

- Please specify statistical support available to the fellows for the development of their research activity? (e.g. statistician input, attendance to statistical courses, skills meetings, etc.)

Pr Hugo Peyre will provide statistical support⁴ for all these projects. All these studies will be conducted in collaboration with the Pasteur Institute.

- How much of the fellows' working time will be dedicated to research activities?

Equally split between research & clinical experience, and thus approximately 2.5 days per week are dedicated to research activities.

Clinical Area:

- Could you list the type of clinical placements the fellows could attend (e.g. generic outpatient services, inpatient units, specialist teams, etc.)?

Clinical offer is broad and very often specialized (tier 3-4).

(i) The future fellow can attend **specialized consultations** in the field of ASD (early detection, ASD with and without intellectual deficiency, ASD associated with rare diseases) and ADHD (simple and comorbid learning disorders, autism and more broad psychopathology, secondary causes of inattentive disorders). We do encourage attendances by research interest (same field of interest in clinics and in research) but attending other specialized consultations is also possible.

(ii) Our future fellow will also participate on multidisciplinary in-depth evaluations of patients (**day hospital evaluations**). They take place in one- or two-day journeys. Accordingly, to clinical needs, patients will be assessed by a child psychiatrist, a psychologist (cognitive, attentional, executive assessments, ADOS, ADI-r); a speech therapist (oral and written language assessments, pragmatics) a motor therapist (global, fine, motor development); a specialized teacher. Complementary exams can be asked if needed. These journeys will allow the fellow to get familiarized with complementary evaluations and discussions around each clinical case are usual extraordinarily rich and stimulant. Dedicated day hospitals are available (ADHD, ASD) and are usually two days long.

(iii) The future fellow will also be encouraged to participate on **crisis intervention**, both in the paediatric emergencies department and in our crisis consultation. Our hospital deserves an important area of Paris, receiving children and adolescents from 0-16 years old.

- What are the requirements for psychiatrists and psychologist in order to be able to have a clinical role?

Some knowledge in French is required as all clinical activity (mind exceptions) and research activity (participants recruitment) is lead in French. Besides, individual profiles will be taken in consideration and more clinical responsibility is possible if language and clinical status mandatory conditions are met.

- How much of the fellows' working time will be dedicated to clinical work?

50%.

Academic area:

- Will the fellows be able to join a specific academic programme? If so, could you briefly describe the structure of this programme?

Academic courses available for fellows at our department: (i) Trainee academic courses in child and adolescent psychiatry, and (ii) Seminar organized by our Department on Neurodevelopmental disorders.

Additionally, fellows will also attend the general staff of our department every Thursday morning (clinical + scientific presentation).

- Please specify annual budget available to the fellow for training.

The future fellow will have an allocated budget of 1000€ per year to spend on training and conferences.

- Please specify the clinical and research supervision offered to the fellow over the 2-years fellowship.

Both clinical and research activity will be supervised by the mentors (Dr Ana Moscoso and Pr Hugo Peyre).

⁴ <https://scholar.google.fr/citations?user=r6FxoSEAAAAJ&hl=fr>.



RESUME

PROF. MARIO SPERANZA

Born July 14, 1967 in Rome (Italy)

Married, 2 children

Registration number with the Order of Physicians: 78/14191

RPPS Number: 10001458057

1. ADMINISTRATIVE DATA

Professional address: Versailles Hospital Center. University Department of Child and Adolescent Psychiatry. 177 rue de Versailles, 78157, Le Chesnay (France).

☎ Phone: +33(1).39.63.97.53 Fax: +33(1).39.63.93.45, E-mail: msperanza@ch-versailles.fr

2. CURRENT POSITION :

- **Director of the Graduate School of Public Health.** Paris-Saclay University.
- **Head of the INSERM "*Developmental Psychiatry and Trajectories*" team,** Centre de Recherche en Épidémiologie et Santé des Populations, UMR 1018, Université Paris-Saclay, UVSQ. <https://cesp.inserm.fr>.
- **Professor of Child and Adolescent Psychiatry.** Faculty of Health Sciences. University of Versailles Saint Quentin en Yvelines, France.
- **Head of the University Departement of Child and Adolescent Psychiatry.** Versailles Hospital Center, France.

3. UNIVERSITY DEGREES OBTAINED AND UNIVERSITY TRAINING:

- **Habilitation to direct research.** Specialty Medicine - Child Psychiatry. "*Clinical research in child psychiatry: a developmental approach*". University of Versailles (France). November 15, 2005.
- **Doctorate in Life Sciences. Discipline Child Psychiatry.** "Study of becoming at 3 years of age of a sample of eating disorders. Predictive value of alexithymia " Director: Prof. Ph. Jeammet. University of Paris XI (France).
- **Former Head of University Clinic in Child Psychiatry.** University of Paris XI. 1998-2000.
- **Diploma of Specialized Studies in Child Neuropsychiatry.** Thesis on "La psicopatologia dello sviluppo: un nuovo paradigma in psichiatria infantile". Director: Prof. G. Levi. University "La Sapienza" of Rome (Italy). October 12, 1997. European Equivalence, 1997.
- **Doctor of Medicine:** Received doctor cum laude. Director: Prof. T. Carratelli. University "La Sapienza" of Rome (Italy). 1991.

4. TEACHING:

- In charge of teaching child and adolescent psychiatry at the Faculty of Health Sciences of the University of Versailles Saint Quentin en Yvelines

- Director of the University Diploma "*Cognitive Development: Fundamental Aspects, Pathology and Treatment*". UFR of Health Sciences of the University of Versailles Saint Quentin en Yvelines.
- Director of the Inter-University Diploma "*Autism and neurodevelopmental disorders*". UFR of the UVSQ, Paris V, Paris VI and Paris VII.

5. SCIENTIFIC RESEARCH AND INTERESTS:

Research areas: *Clinical and public health research on neurodevelopmental disorders (Autism Spectrum Disorders, Neurodevelopmental Disorders, Borderline Personality Disorders).*

Scientific profile: https://www.researchgate.net/profile/Mario_Speranza

6. CLINICAL INTERESTS:

One of the main axes of my clinical and research activity is the study of neurodevelopmental disorders (ASD, ADHD and emerging personality disorders in children and adolescents) using a developmental framework. I am particularly interested in the development and disruption of emotion regulation, using both a quantitative and qualitative approach. A second component of my research concerns the evaluation of the effectiveness of mental health organizations for severe mental disorders.

7. SAVANT SOCIETIES :

- President, *International Association of Adolescent Psychiatry and Psychology*. Mars 2016
- Vice-president of the Scientific Council and member of the Board of Directors of the *French Society of Child and Adolescent Psychiatry (SFPEA)*. September 2015
- Vice President. *European Association of Child and Adolescent Psychopathology*. 2015

8. SELECTED SCIENTIFIC PUBLICATIONS. (2016-2021)

Research Gate personal page: https://www.researchgate.net/profile/Mario_Speranza/publications/

1. Ben Said M, Robel L, Chaste P, Robel L, Perisse D, Oreve MJ, Zylebrger P, Philippe A, Jousseme C, Lacoste S, **Speranza M**, Hafsa I, Cisse F, Cherqaoui Z, Jais JP. TEDIS, a Comprehensive Data Model for In-Depth Clinical Assessment of Patients Affected with Neuro-Developmental Disorders Including Autism. *Stud Health Technol Inform*. 2020;270:1401-1402.
2. Mirkovic B, **Speranza M**, Cailhol L, Guelfi JD, Perez-Diaz F, Corcos M, Robin M, Pham-Scottez A. Validation of the French version of the McLean screening instrument for borderline personality disorder (MSI-BPD) in an adolescent sample. *BMC Psychiatry*. 2020 May 12;20(1):222.
3. Klein A, Mapelli A, Veyret-Morau M, Levy-Bencheton J, Giraud F, di Chiara M, Fumagalli M, Lida-Pulik H, Moscoso A, Payen de la Garanderie J, Palazzi S, Baleyte JM, **Speranza M**, Rezzoug D, Baubet T. Under-Age Children Returning From Jihadist Group Operation Areas: How Can We Make a Diagnosis and Construct a Narrative With a Fragmentary Anamnesis? *Front Psychiatry* 2020 Mar 26;11:149.
4. Dellapiazza F, Michelon C, Vernhet C, Muratori F, Blanc N, Picot MC, Baghdadli A; **ELENA study group**. Sensory processing related to attention in children with ASD, ADHD, or typical development: results from the ELENA cohort. *Eur Child Adolesc Psychiatry*. 2020 Mar 25. doi: 10.1007/s00787-020-01516-5.
5. Rattaz C, Munir K, Michelon C, Picot MC, Baghdadli A; **ELENA study group**. School Inclusion in Children and Adolescents with Autism Spectrum Disorders in France: Report from the ELENA French Cohort Study. *J Autism Dev Disord*. 2020 Feb;50(2):455-466. doi: 10.1007/s10803-019-04273-w. PubMed PMID: 31664612.
6. Bobo E, Lin L, Acquaviva E, Caci H, Franc N, Gamon L, Picot MC, Pupier F, Speranza M, Falissard B, Purper-Ouakil D. How do children and adolescents with Attention Deficit Hyperactivity

- Disorder (ADHD) experience lockdown during the COVID-19 outbreak? *Encephale*. 2020 Jun;46(3S):S85-S92.
7. Herrera PM, Van Meerbeke AV, **Speranza M**, Cabra CL, Bonilla M, Canu M, Bekinschtein TA. Expectation of reward differentially modulates executive inhibition. *BMC Psychol*. 2019 Aug 23;7(1):55. doi: 10.1186/s40359-019-0332-x. PubMed PMID: 31443739; PubMed Central PMCID: PMC6706938.
 8. Baghdadli A, Miot S, Rattaz C, Akbaraly T, Geoffray MM, Michelon C, Loubersac J, Traver S, Mortamais M, Sonié S, Pottelette J, Robel L, **Speranza M**, Vesperini S, Maffre T, Falissard B, Picot MC; ELENA Study Group. Investigating the natural history and prognostic factors of ASD in children: the multicentric Longitudinal study of children with ASD - the ELENA study protocol. *BMJ Open*. 2019 Jun 19;9(6):e026286..
 9. Moscoso A, **Speranza M**, Delvenne V, Corcos M, Pham-Scottez A. Parental Risk for Suicide and Attachment Patterns Among Adolescents With Borderline Personality Disorder. A Clinical-Based Study. *Front Psychiatry*. 2019 Jan 11;9:771.
 10. Dellapiazza F, Michelon C, Oreve MJ, Robel L, Schoenberger M, Chatel C, Vesperini S, Maffre T, Schmidt R, Blanc N, Vernhet C, Picot MC, Baghdadli A; **ELENA study group**. The Impact of Atypical Sensory Processing on Adaptive Functioning and Maladaptive Behaviors in Autism Spectrum Disorder During Childhood: Results From the ELENA Cohort. *J Autism Dev Disord*. 2019 Mar 13.
 11. Young H, Oreve MJ, **Speranza M**. Clinical characteristics and problem diagnosing autism spectrum disorder in girls. *Arch Pediatr*. 2018 Aug;25(6):399-403. doi: 10.1016/j.arcped.2018.06.008. Epub 2018 Aug 22. Review PubMed PMID: 30143373.
 12. Doyen CM, Oreve MJ, Desailly E, Goupil V, Zarca K, L'Hermitte Y, Chaste P, Bau MO, Beaujard D, Haddadi S, Bibay A, Contejean Y, Coutrot MT, Crespin L, Frioux I, **Speranza M**, Francois N, Kaye K. Telepsychiatry for Children and Adolescents: A Review of the PROMETTED Project. *Telemed J E Health*. 2018 Jan;24(1):3-10.
 13. Miljkovitch R, Deborde AS, Bernier A, Corcos M, **Speranza M**, Pham-Scottez A. Borderline Personality Disorder in Adolescence as a Generalization of Disorganized Attachment. *ront Psychol*. 2018 Oct 16;9:1962. doi: 10.3389/fpsyg.2018.01962.
 14. Geoffray MM, Nicolas A, **Speranza M**, Georgieff N. Are circadian rhythms new pathways to understand Autism Spectrum Disorder? *J Physiol Paris*. 2016 Nov; 110(4 Pt B):434-438. doi: 10.1016/j.jphysparis.2017.06.002.
 15. Doyen CM, Oreve MJ, Desailly E, Goupil V, Zarca K, L'Hermitte Y, Chaste P, Bau MO, Beaujard D, Haddadi S, Bibay A, Contejean Y, Coutrot MT, Crespin L, Frioux I, **Speranza M**, Francois N, Kaye K. Telepsychiatry for Children and Adolescents: A Review of the PROMETTED Project. *Telemed J E Health*. 2017 Dec 11. doi: 10.1089/tmj.2017.0041.
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Versailles, Mai the 10th, 2021

Prof. Mario Speranza



CURRICULUM VITAE

April 2021

PERSONAL INFORMATION

Pr Hugo PEYRE

Born in Montpellier (France), 27th May 1981

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CURRENT POSITION

<i>2014 – Present</i>	Full Professor - Paris University 7
<i>2017 – 2021</i>	Assistant Professor - Paris University 7
<i>2014 - Present</i>	Consultant in Child and Adolescent Psychiatry, Robert Debré Hospital, Paris Specialized in the treatment of neurodevelopmental disorders
<i>2012 - Present</i>	Cognitive Sciences and Psycholinguistics Laboratory (LSCP) CNRS-ENS-EHESS Ecole Normale Supérieure. 29 rue d'Ulm. 75005 Paris

EDUCATION

<i>2019</i>	Accreditation to direct research (HDR). Topic: "Statistical modeling of cognitive development"
<i>2012 - 2015</i>	PhD in Cognitive Neuroscience at the LSCP Under the supervision of Pr. Franck Ramus Topic: "Epidemiology of cognitive development during the preschool period in the EDEN cohort"
<i>2012</i>	Medical Degree, specialized in Psychiatry - Paris University 11
<i>2009</i>	Master's Degree in Epidemiology and Clinical Research - Paris University 11

PAST POSITIONS

2008 - 2012	Residency in Psychiatry – Paris University
2006 - 2008	Residency in Public Health - Paris University
1999 - 2006	Externship – Montpellier University

PRICES

- Balter Award for 2014 (Journal of Clinical Psychopharmacology)
- 3rd place: “ISOQOL Outstanding Article of the Year Award competition” (International Society for Quality of Life Research) 2012

ORAL PRESENTATIONS IN CONGRESSES

- L'Encéphale congress: 2018, 2017, 2016
- French Congress of Psychiatry (CFP): 2018, 2017, 2016, 2020
- IACAPAP: 2014, 2015
- ADHD congress: 2011

TEACHING

- Standardized Patient Simulation programs - Paris University 7
- Lecturer at Paris University 7 on language disorders, ADHD and Autism Spectrum Disorder

PEER-REVIEWED PUBLICATIONS (5 best papers)

- Peyre H et al. Neuroanatomy of dyslexia: An allometric approach. *Eur J Neurosci*. 2020.
- Peyre H et al. Developmental trajectories of motor skills during the preschool period. *Eur Child Adolesc Psychiatry*. 2019.
- Peyre H *et al.* Latent class analysis of the feared situations of social anxiety disorder: A population-based study. *Depress Anxiety*. 2016
- Leblond *et al.* Meta-analysis of SHANK Mutations in Autism Spectrum Disorders: a gradient of severity in cognitive impairments. *PLoS Genet*. 2014
- Peyre H *et al.* Missing data methods for dealing with missing items in quality of life questionnaires. A comparison by simulation of personal mean score, full information maximum likelihood, multiple imputation, and hot deck techniques applied to the SF-36 in the French 2003 decennial health survey. *Qual Life Res*. 2011

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Curriculum Vitae



Current positions

MD, PhD, Head of the Child and Adolescent Psychiatry department in Orsay Hospital, Pôle Psychiatrie, Groupe Hospitalier Nord Essonne (Near Paris, France)

Co-responsible for the University Diploma DIPPPEJAAD (Early Detection and Intervention of Emerging Psychiatric Pathologies in Young Adults and Adolescents), Université de Paris

Member of the board of the Institute of Psychiatry, GDR 3557
(<https://institutdepsychiatrie.org/>)

Member of the board of the FHU ADAPT
(<https://www.fhu-adapt.org/>)

Education

- **2010 – 2014: Ph.D. in Neurosciences (Stress and neuroimaging)** at the Institute of psychiatry and neuroscience of Paris (IPNP), INSERM U1266, pathophysiology of psychiatric disorders, university of Paris, France.
- **2010: M.D. in Psychiatry**, UBO, France
- **2020: University Diploma “Autism and Neurodevelopmental Disorders”**
- **2017: University Diploma “Forensic Psychiatry”**
- **2016: University Diploma “Meditation and Neuroscience”**
- **2012: University Diploma “Animal Experimentation”**
- **2007 – 2008: Master’s Degree in Neurosciences** at the Institute of psychiatry and neuroscience of Paris (IPNP), INSERM U1266, pathophysiology of psychiatric disorders, university of Paris, France.

Experience

- **Title of Systemic family psychotherapist** (Training and Supervision APRTF, Association Parisienne de Recherche et de Travail avec les Familles)
- **EASE (Examination of Anomalous Self-Experience)** training workshop supervised by Pr

J Parnas

- 2016 – 2019 : **Senior consultant**, creation of an adolescent psychiatry unit, university department of Pr Dubertret, Louis Mourier Hospital - Hôpitaux Universitaires Paris Nord Val de Seine
- 2014 – 2016 : **Senior consultant**, in charge of the **C'JAAD** (Consultation Jeunes Adultes **AD**olescents, Young Adult and Adolescent Consultation 15-25 ans), university department of Pr Krebs, Sainte Anne Hospital, Paris.
- 2012 – 2014 : **Assistant Professor**, university department of Pr Krebs and Pr Gaillard, Sainte Anne Hospital, Paris.

Expertise

- Expert psychiatrist for the Paris Court of Appeal
- Expert psychiatrist for victims of terrorism to the « Fonds de Garantie des Victimes »

Publications

Articles

Dickens AM, Sen P,....., **EU-GEI High Risk Study Group**, Orešič M, McGuire P. Dysregulated Lipid Metabolism Precedes Onset of Psychosis. *Biol Psychiatry*. 2021 Feb 1;89(3):288-297.

Velthorst E, Mollon J,, **EU-GEI High Risk Study**, Reichenberg A. Cognitive functioning throughout adulthood and illness stages in individuals with psychotic disorders and their unaffected siblings. *Mol Psychiatry*. 2021 Jan 7.

Bourgin J., Duchesnay E., Magaud E., Gaillard R., Kazes M., Krebs MO. Predicting the individual risk of psychosis conversion in at-risk mental state (ARMS): a multivariate model reveals the influence of nonpsychotic prodromal symptoms. *Eur Child Adolesc Psychiatry*. 2020 Nov;29(11):1525-1535.

Bourgin J, Tebeka S, Mallet J, Mazer N, Dubertret C, Le Strat Y. Prevalence and correlates of psychotic-like experiences in the general population. *Schizophr Res*. 2020 Jan;215:371-377.

Demars F, Kebir O, Marzo A, Iftimovici A, Schramm C; **ICAAR Study Group**, Krebs MO, Chaumette B. Dysregulation of peripheral expression of the YWHA genes during conversion to psychosis. *Sci Rep*. 2020 Jun 17;10(1):9863.

Pollak TA, Kempton MJ,, **EUGEI High-Risk Study**, McGuire P. Clinical, cognitive and neuroanatomical associations of serum NMDAR autoantibodies in people at clinical high risk for psychosis. *Mol Psychiatry*. 2020 Oct 19.

Berendsen S, Kapitein P,, **EU-GEI High Risk Study**. Pre-training inter-rater reliability of clinical instruments in an international psychosis research project. *Schizophr Res*. 2020 Nov 23:S0920-9964(20)30429-1.

Iftimovici A, Kebir O, He Q, Jay TM; **ICAAR Study Group**, Rouleau GA, Krebs MO, Chaumette B. Stress, Cortisol and NR3C1 in At-Risk Individuals for Psychosis: A Mendelian Randomization Study. *Front Psychiatry*. 2020 Jul 10;11:680.

Menghini-Müller S, Studerus E,, **Bourgin J**,, Rutten BP, van Os J. Gender differences of patients at-risk for psychosis regarding symptomatology, drug use, comorbidity and functioning - Results from the EU-GEI study. *Eur Psychiatry*. 2019 Jun;59:52-59.

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Oppetit A, Brébant C, Monchablon D, **Bourgin J**, Gaillard R, Olié JP, Krebs MO, Morvan Y. Early detection of mental health disorders at school: The Fil Harmonie pilot program. *Encephale*. 2017 Mar 24.

Kebir O, Chaumette B, Rivollier F, Miozzo F, Lemieux Perreault LP, Barhdadi A, Provost S, Plaze M, **Bourgin J**; ICAAR team, Gaillard R, Mezger V, Dubé MP, Krebs MO. Methyloomic changes during conversion to psychosis. *Mol Psychiatry*. 2017 Apr;22(4):512-518.

Alice Oppetit, **Julie Bourgin**, Gilles Martinez, Mathilde Kazes, Célia Mam-Lam-Fook, Claire Daban, Marion Plaze, Raphael Gaillard, Marie-Odile Krebs. The C'JAAD: A Parisian Team for Early Intervention in Psychosis. *Early Intervention in Psychiatry*, 2016.

Chaumette B, Kebir O, Mam-Lam-Fook C, Morvan Y, **Bourgin J**, Godsil BP, Plaze M, Gaillard R, Jay TM, Krebs MO. Salivary cortisol in early psychosis: New findings and metaanalysis. *Psychoneuroendocrinology*. 2016 Jan; 63:262-70.

Chaumette B, Kebir O, Mam Lam Fook C, **Bourgin J**, Godsil BP, Gaillard R, Jay TM, Krebs MO. Stress and psychotic transition: A literature review. *Encephale*. 2016 May 6.

Chan MK., Krebs MO., Cox D., **Bourgin J.** et al. Development of a blood-based molecular biomarker test for identification of schizophrenia prior to disease onset. *Transl Psych*, 2015.

Duchesnay E, **Bourgin J**, Hadj-Seleem F, Frouin V. Méthodes de prédiction multivariées basées sur la neuroimagerie: application aux maladies psychiatriques. *Ann Med Psychol (Paris)*, 2015.

Bourgin J., Cachia A., Boumezbeur F., Djemaï B., Bottlaender M., Duchesnay E., Mériaux S., Jay T. Hyper-responsivity to stress in rats is associated with a large increase in amygdala volume. A 7T MRI study. Eur. Neuropsychopharmacol, 2015.

Mauras T., Masson M., Ducros A., **Bourgin J.**, Del Cul A., Fossati P., Gaillard R. Reversible Cerebral Vasoconstriction Syndrome and treatment with monoamine oxidase inhibitor. Australian and New Zealand Journal of Psychiatry, 2014.

Bourgin J., Duchesnay E. Phénotypes cliniques précoces et recherche de biomarqueurs stratégiques : les fondements d'une psychiatrie personnalisée. L'information psychiatrique, octobre 2013.

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Bourgin J., Mériaux S., Boumezbeur F., Djemaï B., Poupon C., Bottlaender M., Jay TM., Cachia A. Maladaptive response to stress: a high resolution structural 7T MRI study in rats. Société Française des Neurosciences, Lyon 2013.

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Books

Signes précoces des schizophrénies sous la direction de Marie-Odile Krebs. Editions Dunod, 19 août 2015.

Krebs MO., **Bourgin J.**, Poirier MF. Neurobiologie de la dépression dans « les états dépressifs ». Médecine Sciences Flammarion, 15/10/2010.