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| BIOGRAPHICAL SKETCH Provide the following information for the proposed network coordinators and members  Follow this format for each person. | |
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| NAME  ALI, Carine | POSITION TITLE  Full professor |

| INSTITUTION AND LOCATION | DEGREE  (if applicable) | Completion Date  MM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| University of Caen, France | PhD | 2000 | Neurosciences |
| Instituto Cajal, Madrid, Spain  University of Manchester, UK  Caen Normandy University (France)  Caen Normandy University (France) | Postdoctoral  Postdoctoral  Assoc Prof, then lecturer  Professor | 2000  2003  2003-2011  Since 2011 | Neurosciences  Neurosciences  Neurosciences  Neurosciences |
| Caen Normandy University (France) | HDR | 2008 | Neurosciences |

1. **Positions and Honors**

2016-present: head of the Master Degree in Neurosciences, University of Caen-Normandy

2011-present: Professor in Neurosciences at the medical school, University of Caen-Normandy; research: INSERM U919 "serine protease and pathophysiology of the neurovascular unit"/INSERM U1237 "Physiopathology and Imaging of Neurological Disorders", Caen

2006-11: Lecturer in Neurosciences at the Institute of Fundamental and Applied Biology, University of Caen-Basse Normandy; research: INSERM U919 "serine protease and pathophysiology of the neurovascular unit", UMR-CNRS 6232 CINAPS, Caen

Responsible for the theme "Brain protection and new therapeutic targets"

2005-06: Temporary position at INSERM, Young Researcher, INSERM-Avenir "tPA in the working brain", GIP Cyceron, Caen

2003-05: ATER; teaching: IBFA-UCBN; research: UMR-CNRS 6185/INSERM-Avenir "tPA in the working brain", GIP Cyceron, Caen

2001-03: Research Associate, School of Biological Sciences, University of Manchester, United Kingdom (Wellcome Travelling Research Fellowship)

May-Sept 2001: Post-doctorate, Cajal Institute, CSIC, Madrid, Spain (Training Mobility Research)

Since 2009 (every 5 years): Scientific Excellence Bonus / Doctoral and Research Supervision Bonus

2019: promoted to first class professor by the National University Council

2024: promoted to exceptional class professor by the National University Council

1. Most Important Recent Publications

1. Prunotto P, Marie P, Lebouvier L, Hommet Y, Vivien D, Ali C. The Janus face of endogenous neuronal tPA: promoting self-protection and worsening the death of neighboring neurons.

Cell Death Dis. 2024 Apr 12;15(4):261. doi: 10.1038/s41419-024-06655-0. PMID: 38609369 Free PMC article.

2. Furon J, Lebrun F, Yétim M, Levard D, Marie P, Orset C, Martinez de Lizarrondo S, Vivien D, Ali C.

Parabiosis Discriminates the Circulating, Endothelial, and Parenchymal Contributions of Endogenous Tissue-Type Plasminogen Activator to Stroke.

Stroke. 2024 Mar;55(3):747-756. doi: 10.1161/STROKEAHA.123.045048. PMID: 38288607

3. Furon J, Yetim M, Pouettre E, Martinez de Lizarrondo S, Maubert E, Hommet Y, Lebouvier L, Zheng Z, Ali C, Vivien D. Blood tissue Plasminogen Activator (tPA) of liver origin contributes to neurovascular coupling involving brain endothelial N-Methyl-D-Aspartate (NMDA) receptors.

Fluids Barriers CNS. 2023 Feb 3;20(1):11. doi: 10.1186/s12987-023-00411-w. PMID: 36737775

4. Zuba V, Furon J, Bellemain-Sagnard M, Martinez de Lizarrondo S, Lebouvier L, Rubio M, Hommet Y, Gauberti M, Vivien D, Ali C. The choroid plexus: a door between the blood and the brain for tissue-type plasminogen activator.

Fluids Barriers CNS. 2022 Oct 15;19(1):80. doi: 10.1186/s12987-022-00378-0. PMID: 36243724

5.

Lépine M, Douceau S, Devienne G, Prunotto P, Lenoir S, Regnauld C, Pouettre E, Piquet J, Lebouvier L, Hommet Y, Maubert E, Agin V, Lambolez B, Cauli B, Ali C, Vivien D. Parvalbumin interneuron-derived tissue-type plasminogen activator shapes perineuronal net structure.

BMC Biol. 2022 Oct 5;20(1):218. doi: 10.1186/s12915-022-01419-8. PMID: 36199089.

6. Drieu A, Lanquetin A, Prunotto P, Gulhan Z, Pédron S, Vegliante G, Tolomeo D, Serrière S, Vercouillie J, Galineau L, Tauber C, Kuhnast B, Rubio M, Zanier ER, Levard D, Chalon S, Vivien D, Ali C. Persistent neuroinflammation and behavioural deficits after single mild traumatic brain injury.

J Cereb Blood Flow Metab. 2022 Dec;42(12):2216-2229. doi: 10.1177/0271678X221119288. PMID: 35945692.

1. **Current grant support among others**

2023-26 : PI RIN Doctorant Regional council of Normandy. 60 kEuros

2024-25 : PI « International Parner Lab » with the Mario Negri Institute, Milan (Italy) from Caen Normandy University. 15 kEuros

1. **Previous experience in collaborative research**

2015-18: PI ANR “P2N2: Proteases and the perineuronal net”. 471 kEuros;

2019-2022 : partner ANR « SMOG-15 : Stroke-induced Myocardial dysfunction: role of GDF-15 ». 178 kEuros (total : 498 kEuros)