

CURRICULUM VITAE

PERSONAL DATA

Name: Monica Corada
Date of birth: 24 October 1964
Place of birth: Milan
Nationality: Italian
Work address: Via Adamello, 16 - 20139 Milan (Italy)
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Education:

2008: Degree of Biological and Chemical Analysis, University Carlo Bo, Urbino, Italy
1987: Degree of Biochemical Research Technician, Institute for Pharmacological Research "Mario Negri", Milan, Italy.
1983: Degree of Chemist (Industrial Chemistry), Istituto "Marie Curie" Milan, Italy

Research experience

2000-present Permanent position at Vascular Biology Laboratory, IFOM-The FIRC Institute of Molecular Oncology Foundation, Milan, Italy
1992-2006 Permanent position at Vascular Biology Laboratory, Institute for Pharmacological Research "Mario Negri", Milan, Italy
1988-1992 Permanent position at Experimental Liver Toxicology and Animal Care Unit Institute for Pharmacological Research "Mario Negri", Milan, Italy.
1984-1987 Biochemical Research fellow at Experimental Liver Toxicology and Animal Care Unit, Institute for Pharmacological Research "Mario Negri", Milan, Italy.

Technical Skills and competences:

Isolation and culture of primary endothelial cells from different organs. Transfection of plasmids, siRNAs, lenti-viral vectors, adeno-virus. Protein purification, SDS-PAGE gel electrophoresis, Western-Blot, immunoprecipitation. Nucleic acid extraction and purification, PCR, RT-PCR, cloning techniques, recombinant protein expression. Fluorescence and confocal microscopy. Immunohistochemistry on tissues-section. *in vivo* models

Publications:

1. Malinverno, M., Maderna, C., Taha, A. A., **Corada, M.**, Orsenigo, F., Valentino, M., ... & Yu, Q. C. (2019). Endothelial cell clonal expansion in the development of cerebral cavernous malformations. *Nature communications*, 10(1), 1-16.
2. **Corada M**, Orsenigo F, Bhat GP, Conze LL, Breviario F, Cunha SI, Claesson-Welsh L, Beznoussenko GV, Mironov AA, Bacigaluppi M, Martino G, Pitulescu ME, Adams RH, Magnusson P, Dejana E. . **Fine-Tuning of Sox17 and Canonical Wnt Coordinates the Permeability Properties of the Blood-Brain Barrier.** Circ Res. 2019
3. Morini MF, Giampietro C, **Corada M**, Pisati F, Lavarone E, Cunha SI, Conze LL, O'Reilly N, Joshi D, Kjaer S, George R, Nye E, Ma A, Jin J, Mitter R, Lupia M, Cavallaro U, Pasini D, Calado DP, Dejana E, Taddei A. **VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression.** Circ Res. 2018.
4. **Corada M**, Orsenigo F, Morini MF, Pitulescu ME, Bhat G, Nyqvist D, Breviario F, Conti V, Briot A, Iruela-Arispe ML, Adams RH, Dejana E. **Sox17 is indispensable for acquisition and maintenance of arterial identity.** Nat Commun. 2013.
5. Maddaluno L, Rudini N, Cuttano R, Bravi L, Giampietro C, **Corada M**, Ferrarini L, Orsenigo F, Papa E, Boulday G, Tournier-Lasserre E, Chapon F, Richichi C, Retta SF, Lampugnani MG, Dejana E. **EndMT contributes to the onset and progression of cerebral cavernous malformations.** Nature. 2013

