

Angela Serena Maione, PhD



Summary

Medical biotechnologist with seven years of intensive research in calcium signalling in the molecular basis of restenosis and pathogenesis of atherosclerosis. Excellent communication skills already experienced in managing and mentoring of master student. Looking for a PostDoc position to investigate new molecular mechanisms involved in the establishment of disease and disease susceptibility.

Education

PhD at the University of Naples Federico II, Italy

Thesis: Study of Calcium-Calmodulin dependent kinases in the pathogenesis of the atherosclerotic plaque.
Supervisor: Dr. Maddalena Illario

Master Degree in Medical Biotechnology at the University of Naples Federico II, Italy

Grade: 110/110 summa cum laude
Thesis: The CaMKII and ERK interaction in the vascular smooth muscle cells proliferation
Supervisor: Dr. Maddalena Illario

Research Experience

Sandipan Barua

interactions in living cells

Technical Skills

Hands on experience in a broad variety of *in vitro* and *in vivo* techniques:

Molecular and cellular biology: DNA/RNA extraction from tissue, cells and blood.

Bacterial transformation and preparation of plasmidic DNA. PCR and RT-PCR.

Protein extraction from tissue and cells. In vitro stimulation. Western Blotting.

Immunoprecipitation. Pull down assay. Blood processing to purify white blood cells.

Cell culture. Preparation of primary cultures from human tissues. [³H]thymidine incorporation assay. Cell vitality assay. Transfection. Cell fractionation. Radioactive and Chemiluminescence kinase assays. Immunofluorescence. Cloning techniques.

Animal model Mouse and Rat handling, Surgery, Blood Collection from the Orbital Sinus, Injections

Intravital microscopy

Statistical analysis.

Computer Skills

Informatics:

OS system: Windows PC

MS Office Suite (Word, Excel, PowerPoint, Publisher, Outlook),

Digital image Processing (Adobe Photoshop, Corel Photopaint, GraphPad)

Bibliographic database (EndNote)

List of Publications

1) *CaMKII mediates vascular smooth muscle cell proliferation and is potentiated by erk*
 Ersilia Cipolletta, Sara Monaco , **Angela Serena Maione**, Laura Vitiello , Pietro Campiglia , Lucio Pastore , C. Franchini, Ettore Novellino, V. Limongelli , UK Bayer, A.R. Means, Guido Rossi ,Bruno Trimarco , Guido Iaccarino, Maddalena Illario
Endocrinology 2010 Jun;151(6):2747-59. Epub 2010 Apr 14.)

2) *Genome-Wide Association Study on Long-Living Individuals from Southern Italy Identifies rs10491334 in CAMK4 Regulating SIRT1 Activity*
 Alberto Malovini, Maddalena Ilario, Guido Iaccarino, Francesco Villa, Anna Ferrario, Roberta Roncarati, Luca Simonelli, Chiara Viviani Anselmi, Valeria Novelli, Ersilia Cipolletta, Eleonora Leggiero, Stephanie J Brewster, Alessandro Orro, Maria Rosaria Rusciano, Luciano Milanesi, **Angela Serena Maione**, Gianluigi Condorelli, Riccardo Bellazzi, Annibale A. Puca.
Rejuvenation Res. 2011 Jun;14(3):283-91. Epub 2011 May 25.

3) *Design, Synthesis, and Cytotoxic Evaluation of Acyl Derivatives of 3-Aminonaphtho[2,3-b]thiophene 4,9-dione, a Fully Aromatic Quinone DTNQ-Related System*
 Pietro Campiglia, Claudio Aquino, Alessia Bertamino, Ilaria Granata, Alfonso Carotenuto, Diego Brancaccio, Paola Stiuso, Maria Rosaria Rusciano, **Angela Serena Maione**, Paolo Grieco, Bruno Maresca, Isabel Gomez-Monterrey, Ettore Novellino.
J Med Chem. 2011 Jun 23;54(12):4077-91. Epub 2011 May 23.

4) *Inhibition of autophagy enhances the effects of E1A defective oncolytic adenovirus dl922-947 against glioma cells in vitro and in vivo*
 Ginevra Botta, Carmela Passaro, Silvana Libertini, Antoniella Abagnale, Sara Barbato, **Angela Serena Maione**, Gunnel Hallden, Francesco Beguinot, Pietro Formisano and Giuseppe Portella
Hum Gene Ther. 2012 Jun;23(6):623-34. doi: 10.1089/hum.2011.120. Epub 2012 Jun 5.

5) *Sister acts: converging signaling between CaMKII and CaMKIV, two members of the same family.*
 M.R. Rusciano, **A.S. Maione**, M. Illario
Translational Medicine @ UniSa - ISSN 2239-9747

6) *CaMK4 Gene Deletion Induces Hypertension.*
 Santulli G, Cipolletta E, Sorrento D, Del Giudice C, Anastasio A, Monaco S, **Maione AS**, Condorelli G, Puca A, Trimarco B, Illario M, Iaccarino G.
J Am Heart Assoc. 2012 Aug;1(4):e001081. doi: 10.1161/JAHHA.112.001081. Epub 2012 Aug 24.

1993-2007-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-20100-20101-20102-20103-20104-20105-20106-20107-20108-20109-20110-20111-20112-20113-20114-20115-20116-20117-20118-20119-20120-20121-20122-20123-20124-20125-20126-20127-20128-20129-20130-20131-20132-20133-20134-20135-20136-20137-20138-20139-20140-20141-20142-20143-20144-20145-20146-20147-20148-20149-20150-20151-20152-20153-20154-20155-20156-20157-20158-20159-20160-20161-20162-20163-20164-20165-20166-20167-20168-20169-20170-20171-20172-20173-20174-20175-20176-20177-20178-20179-20180-20181-20182-20183-20184-20185-20186-20187-20188-20189-20190-20191-20192-20193-20194-20195-20196-20197-20198-20199-20200-20201-20202-20203-20204-20205-20206-20207-20208-20209-202010-202011-202012-202013-202014-202015-202016-202017-202018-202019-202020-202021-202022-202023-202024-202025-202026-202027-202028-202029-202030-202031-202032-202033-202034-202035-202036-202037-202038-202039-202040-202041-202042-202043-202044-202045-202046-202047-202048-202049-202050-202051-202052-202053-202054-202055-202056-202057-202058-202059-202060-202061-202062-202063-202064-202065-202066-202067-202068-202069-202070-202071-202072-202073-202074-202075-202076-202077-202078-202079-202080-202081-202082-202083-202084-202085-202086-202087-202088-202089-202090-202091-202092-202093-202094-202095-202096-202097-202098-202099-2020100-2020101-2020102-2020103-2020104-2020105-2020106-2020107-2020108-2020109-2020110-2020111-2020112-2020113-2020114-2020115-2020116-2020117-2020118-2020119-2020120-2020121-2020122-2020123-2020124-2020125-2020126-2020127-2020128-2020129-2020130-2020131-2020132-2020133-2020134-2020135-2020136-2020137-2020138-2020139-2020140-2020141-2020142-2020143-2020144-2020145-2020146-2020147-2020148-2020149-2020150-2020151-2020152-2020153-2020154-2020155-2020156-2020157-2020158-2020159-2020160-2020161-2020162-2020163-2020164-2020165-2020166-2020167-2020168-2020169-2020170-2020171-2020172-2020173-2020174-2020175-2020176-2020177-2020178-2020179-2020180-2020181-2020182-2020183-2020184-2020185-2020186-2020187-2020188-2020189-2020190-2020191-2020192-2020193-2020194-2020195-2020196-2020197-2020198-2020199-2020200-2020201-2020202-2020203-2020204-2020205-2020206-2020207-2020208-2020209-20202010-20202011-20202012-20202013-20202014-20202015-20202016-20202017-20202018-20202019-20202020-20202021-20202022-20202023-20202024-20202025-20202026-20202027-20202028-20202029-20202030-20202031-20202032-20202033-20202034-20202035-20202036-20202037-20202038-20202039-20202040-20202041-20202042-20202043-20202044-20202045-20202046-20202047-20202048-20202049-20202050-20202051-20202052-20202053-20202054-20202055-20202056-20202057-20202058-20202059-20202060-20202061-20202062-20202063-20202064-20202065-20202066-20202067-20202068-20202069-20202070-20202071-20202072-20202073-20202074-20202075-20202076-20202077-20202078-20202079-20202080-20202081-20202082-20202083-20202084-20202085-20202086-20202087-20202088-20202089-20202090-20202091-20202092-20202093-20202094-20202095-20202096-20202097-20202098-20202099-202020100-202020101-202020102-202020103-202020104-202020105-202020106-202020107-202020108-202020109-202020110-202020111-202020112-202020113-202020114-202020115-202020116-202020117-202020118-202020119-202020120-202020121-202020122-202020123-202020124-202020125-202020126-202020127-202020128-202020129-202020130-202020131-202020132-202020133-202020134-202020135-202020136-202020137-202020138-202020139-202020140-202020141-202020142-202020143-202020144-202020145-202020146-202020147-202020148-202020149-202020150-202020151-202020152-202020153-202020154-202020155-202020156-202020157-202020158-202020159-202020160-202020161-202020162-202020163-202020164-202020165-202020166-202020167-202020168-202020169-202020170-202020171-202020172-202020173-202020174-202020175-202020176-202020177-202020178-202020179-202020180-202020181-202020182-202020183-202020184-202020185-202020186-202020187-202020188-202020189-202020190-202020191-202020192-202020193-202020194-202020195-202020196-202020197-202020198-202020199-202020200-202020201-202020202-202020203-202020204-202020205-202020206-202020207-202020208-202020209-2020202010-2020202011-2020202012-2020202013-2020202014-2020202015-2020202016-2020202017-2020202018-2020202019-2020202020-2020202021-2020202022-2020202023-2020202024-2020202025-2020202026-2020202027-2020202028-2020202029-2020202030-2020202031-2020202032-2020202033-2020202034-2020202035-2020202036-2020202037-2020202038-2020202039-2020202040-2020202041-2020202042-2020202043-2020202044-2020202045-2020202046-2020202047-2020202048-2020202049-2020202050-2020202051-2020202052-20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7) Characterization of a selective CaMKII peptide inhibitor.

Gomez-Monterrey I, Sala M, Rusciano MR, Monaco S, **Maione AS**, Iaccarino G, Tortorella P, D'Ursi AM, Scrima M, Carotenuto A, De Rosa G, Bertamino A, Vernieri E, Grieco P, Novellino E, Illario M, Campiglia P.

Eur J Med Chem. 2013 Apr;62:425-34. doi: 10.1016/j.ejmech.2012.12.053. Epub 2013 Jan 22.

8) A novel crosstalk between Calcium/Calmodulin Kinases II and IV regulates cell proliferation

Monaco S, Rusciano MR, **Maione AS**, Soprano M, Gomathinayagam R, Todd LR, Campiglia P, Salzano S, Pastore L, Leggiero E, Wilkerson DC, Rocco M, Selleri C, Iaccarino G, Sankar U, Illario M.

Cell Signal. 2015 Feb;27(2):204-14. doi: 10.1016/j.cellsig.2014.11.007. Epub 2014 Nov 15.

Awards

-ECS fellowship- 11th Symposium of the European Calcium Society on Calcium-Binding Proteins in normal and transformed cells. Warsaw, 6-9 September 2010.

-CNR fellowship- Research project: "Study of calcium calmodulin dependent kinases in endocrine tumors". (November 2010)

-PRIN fellowship- Research project: "Role of the CaMKs in arteriosclerosis" (February 2012)

-Grant for Student mentoring for the academic year 2012/2013 at Faculty of Biotechnology, University of Naples Federico II

-Erasmus Placement fellowship- "Centro Nacional de Investigaciones Cardiovasculares, Carlos III", Madrid (Spain). (May - August 2012)

Languages

English: Excellent knowledge of written and spoken language

Italian: Native language

Spanish: Sufficient knowledge of written and spoken language

References

Maddalena Illario, MD PhD: Researcher at the Department of Translational Medical Sciences, University of Naples "Federico II" (Italy)
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Guido Iaccarino, MD PhD: Associate Professor of Internal Medicine at the Department of Medicine and Surgery, University of Salerno (Italy)
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Uma Sankar, Ph.D, Assistant Professor of Pharmacology & Toxicology Associate Scientist James Graham Brown Cancer Center , Kentucky, USA
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Personal Data

Place and Date of birth: Naples, July 22th 1985

Nationality: Italian

CF: MNANL85L62F839Y

Operazione cofinanziata con il POR Campania FESR 2007-2013 a valere sulla risorsa degli O.O.2.1. - Rete ONCOLOGY INTEGRATED IN CANCER - Progetto di collaborazione di ricerca e trasferimento di tecnologie per la cura del cancro oncologico isolati - malattie croniche (Oncology and cardiology Key targets) - CUP B25C13000280007.