

CV Rossella Crescitelli

Work experience

- MAY 2014 TO PRESENT **Post doc fellow**
Krefting Research Centre, University of Gothenburg
Research topic: Extracellular vesicles: isolation and characterization and analysis in UV melanoma
- MAY - JUNE 2015 **Guest researcher**
Pohang University of Science and Technology, Pohang, Republic of Korea
Prof. Jong Song Gho
- MARCH 2015 **Invited speaker**
KTH Royal Institute of Technology, Karolinska Institutet, Stockholm
Prof. Peter Nilsson
- APR 2012 – SEP 2013 **Guest PhD Student**
Krefting Research Centre, University of Gothenburg
Research topic: Extracellular vesicles: development of isolation methods
- AY 2012 – 2013 **Teacher assistant**
University of Eastern Piedmont “Amedeo Avogadro”
- AY 2010 – 2011 **Teacher assistant**
University of Eastern Piedmont “Amedeo Avogadro”
- 2007 – 2010 **Intern**
Dept. of Biochemistry and Medical Biotechnology,
University of Naples “Federico II”
Research topic: Gene transcriptional analysis: anti-apoptotic gene bag3 as a new target gene of transcription factor WT1
- 2006 – 2007 **Intern**
Dept. of Clinical Pathology – Functional area of cytogenetics in prenatal diagnosis, University of Naples “Federico II”

Education

- AUG 2018 Workshop in **electron tomography**, University of Gothenburg (Sweden)
- APR 2014 **PhD in Biotechnology for Human Health**
Dept. of Medical Sciences, University of Eastern Piedmont “Amedeo Avogadro”
Research topic: Extracellular vesicle analysis in erythroid ribosomal stress (Diamond Blackfan Anemia)
- MAR-SEP 2014 Courses on **Nanosight instrumentation, CyFlow[®] Cube 6** (Partec), **qNano** (IZON), **ZetaView[®]** (Particle Matrix), **BD FACSVerser**
University of Gothenburg (Sweden)
- MAR 2012 **Course on BD FACSCalibur instrumentation**
Bekton Dickinson Company, Buccinasco (Italy)
- MAR 2010 **Master degree in Medical Biotechnology**
University of Naples “Federico II”
- OCT 2007 **Bachelor degree in Medical Biotechnology**
University of Naples “Federico II”
- JUL 2004 **High school diploma**
Liceo scientifico P.S. Mancini, Avellino (Italy)

Language skills

ITALIAN Mother tongue
ENGLISH Advanced
SWEDISH Beginner

Computer skills

OS Windows, Mac
LAB SOFTWARE FlowJo, 2100 Bioanalyzer software, Real Time PCR data analysis (Life Technologies, Applied Biosystem), Image reconstruction (iMOD)
OTHER Office suite

Technical skills

Cell biology techniques

Bacterial cultures, Cell cultures, Stem cell cultures (CD34+ cells extraction from cordon blood, mesenchymal stem cells), Cell transfection (transient and stable) by liposome technique and electroporation, Cell transduction by lentivirus vectors, Flow cytometry, Extracellular vesicle extraction by different methods (ultracentrifugation, commercial kits), Imaging (Electron microscopy)

Biochemistry and molecular biology techniques

Nucleic acid extraction from cells and vesicles, Electrophoretic techniques, Reverse transcriptase-polymerase chain reaction (RT-PCR), Real Time-PCR (TaqMan, Syber Green), Cloning techniques, Luciferase assay, Extraction protein techniques, Western blotting, Production of recombinant proteins, Chromatin immunoprecipitation (CHIP), Co-immunoprecipitation, Viability assays (BrdU, MTT)

Cytogenetics and prenatal diagnostic techniques

Amniocytes cultures, Reconstruction of karyotypes by the use of karyotyping, Fluorescence in situ hybridization (FISH)

Referee-assignment

PLOS ONE

Awards

Traveling award: Stiftelsen Assar Gabrielssons Fond. (2015)

Communications

Submitted more than twenty abstracts to international scientific meetings. Some of them chosen for oral communication.

References

Main Supervisor, Full Professor **Jan Lötval** M.D., PhD
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Johanna Höög, Associate senior lecturer, PhD
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