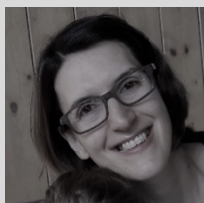


## SARA CIPOLAT



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 Mobile phone +39 3474512148  
 E-mail Sara.cipolat@karyon.net  
 Nationality Italian  
 Date of Birth 22 April 1979  
 Company Karyon Srls: <http://www.karyon.net/>

### Professional Experiences

Period	10/2014-present
Occupation	<u>Science consultant &amp; Alliance Manager</u>
Main activities	IQ's assistance in the coordination of a clinical research program concerning immunotherapeutic strategies based on APS-1/APECED patients. Management of the partnership between IQ and Servier for the development of an interferon-alpha human antibody.
Company	ImmunoQure AG (Düsseldorf, GE)
Sector	Biotechnologies/Pharma
Period	03/2017-09/2018
Occupation	<u>Science consultant</u>
Main activities	Investigation of state-of-the-art knowledge of mitochondrial fitness and metabolism in human skin. Development and fine-tuning of histological and molecular assays for mitochondrial markers detection and characterization in the ex-vivo Cutech's human skin model system. Set-up of a new model of skin blistering and re-epithelization in ex vivo skin
Company	Cutech Srl (Padova, IT)
Sector	Biotechnologies/cosmetics
Period	02-08/2014
Occupation	<u>Postdoctoral Research Fellow</u>
Main activities	Study of the role of epithelial determinants in intestinal and skin intra-epithelial lymphocytes development and maturation. Expertise in gut and skin epithelia biology, immunology, flow cytometry, lymphocytes and epithelial cells co-culture systems
Institution	Prof. Adrian Hayday's lab., Cancer Research UK, LRI (London, UK)
Period	09/2008-12/2013
Occupation	<u>Postdoctoral Research Fellow</u>
Main activities	Address the relationship between a faulty epidermal barrier, inflammation and cancer. Expertise: cancer and epithelial cell biology, human and murine histopathology, murine immunology. Skin: chemical carcinogenesis, wounding, tumour grafting, chemical painting; drugs/antibodies/antibiotics treatment. Mouse colony maintenance. Characterizing the role of the desmosomes associated protein Kazrin in regulating epithelial stem cells differentiation and cytoskeleton dynamics. Expertise: human and mouse primary keratinocytes cells culture; flow cytometry, IF, IHC, bright field and confocal microscopy, cell migration and wound healing; mammalian cell lines: transfection, infection; DNA, gDNA and RNA isolation from cells and tissues, purification, quantification; RNA interference in cultured mammalian cells (siRNA/shRNA); RT-PCR, DNA gel electrophoresis; mutagenesis
Institution	Prof. Fiona Watt's lab, Cancer Research Institute (Cambridge, UK) Centre for Stem Cells & Regenerative Medicine, King's College London, (London, UK)
Period	01-09/2008
Occupation	<u>Research Fellow</u>
Main activities	Discovered the role of OPA1 and other mitochondrial shaping proteins in regulating <i>in vitro</i> differentiation of mouse embryonic stem cells into neurons and cardiomyocytes. Expertise: <i>in vitro</i> culture and differentiation of mES cells
Institution	Prof. Luca Scorrano's lab, Venetian Institute of Molecular Medicine (VIMM), (Padova, Italy)
Period	03-06/2007
Occupation	<u>Research Fellow</u>
Main activities	Conceived and created the targeting vector for the generation of OPA1 knock out mouse model. Expertise: design and development of gene targeting vectors, molecular biology techniques
Institution	Prof. Bart De Strooper's group, Flanders Interuniversity Institute for Biotechnology (VIB) (Leuven, Belgium)
Period	01/2005-12/2007
Occupation	<u>PhD Fellow</u>
Main activities	Addressing the role of OPA1 in regulating cytochrome <i>c</i> release from mitochondria. Phenotypical characterization of the KO mouse model of the protease PARL and investigation of the biological function of PARL's mediated processing of OPA1. Expertise: biochemistry, mitochondrial physiology in different tissues and cell types, confocal microscopy, analysis of apoptosis

Institution	Prof. Luca Scorrano's lab, Venetian Institute of Molecular Medicine (VIMM), (Padova, Italy)
Period	12/2003-12/2004
Occupation	<u>Research Fellow</u>
Main activities	Discovered MNF1 dependent OPA1 regulation of mitochondrial fusion. Expertise: bright field, live imaging and confocal microscopy, images reconstruction and analysis, molecular cloning and biochemistry
Institution	Prof. Luca Scorrano's group, Venetian Institute of Molecular Medicine (VIMM) (Padova, Italy)
<b>Collaborations</b>	
	<p>ImmunoQure AG <a href="https://www.immunoqure.com/">https://www.immunoqure.com/</a>  Karsten Henco, HSLife Sciences, <a href="https://www.hsllifesciences.com/about-us/">https://www.hsllifesciences.com/about-us/</a>  Servier <a href="https://servier.com/en/">https://servier.com/en/</a>  Cutech Srl, Padova <a href="http://www.cutech.it/italiano">http://www.cutech.it/italiano</a>  Gabriele Brusa, Riccardo Baccheschi, B.B.A. Srl <a href="http://www.bespokebiotech.com">www.bespokebiotech.com</a>  Maddalena Adorno, Dorian Therapeutics <a href="https://doriantherapeutics.com/">https://doriantherapeutics.com/</a>  Cristina Degrossi, MTTlab <a href="https://mttlab.eu/">https://mttlab.eu/</a>  Prof. Fiona Watt, director of Centre for stem cells &amp; regenerative medicine, King's College London  <a href="http://www.wattlab.org/about-us.html">http://www.wattlab.org/about-us.html</a>  Prof. Adrian Hayday, Francis Crick Institute London <a href="https://www.crick.ac.uk/research/labs/adrian-hayday">https://www.crick.ac.uk/research/labs/adrian-hayday</a> and King's college London  <a href="https://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/immunobiology/research/hayday/index.aspx">https://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/immunobiology/research/hayday/index.aspx</a>  Prof. Luca Scorrano, University of Padova, scientific director of VIMM Institute, <a href="http://www.vimm.it/">http://www.vimm.it/</a>  Christian Frezza, MRC Cancer Unit, Cambridge (UK) <a href="https://www.mrc-cu.cam.ac.uk/research/Christian-frezza-folder">https://www.mrc-cu.cam.ac.uk/research/Christian-frezza-folder</a>  Ken Natsuga, lab head and dermatologist, Hokkaido Uni, <a href="https://www.derm-hokudai.jp/en/research/natsuga_team/">https://www.derm-hokudai.jp/en/research/natsuga_team/</a></p>
<b>Publications</b>	
	<p><a href="https://www.ncbi.nlm.nih.gov/pubmed/?term=Cipolat+s.">https://www.ncbi.nlm.nih.gov/pubmed/?term=Cipolat+s.</a></p> <p>2016  Di Marco Barros R., Roberts N., Dart R., Vantourout P., Anett Jandke A., Oliver Nussbaumer O., Deban L., <u>Cipolat S.</u> <i>et al. Cell</i>: 167(1):203-218</p> <p>2015  Natsuga K., <u>Cipolat S.</u>, Watt FM. <i>JID</i>: 136 (1) 99-106  Hoste E., <u>Cipolat S.</u>, Watt FM. <i>Nature Review Cancer</i>: 15 (3) 131-132</p> <p>2014  <u>Cipolat S.</u>, Hoste E., Natsuga K., Quist S. and Watt FM. <i>eLIFE</i>: 5;3</p> <p>2013  Kasahara A., <u>Cipolat S.</u>, Chen Y., Dorn II GW. and Scorrano L <i>Science</i> 342(6159):734-7  Cogliati S., Frezza C., Soriano ME. Varanita T., Cabrera RQ., Corrado M., <u>Cipolat S.</u>, <i>et al. Cell</i> 155: 160-71</p> <p>2012  <u>Cipolat S.</u>, Chhatriwala M., Sevilla LM., Nachat R., and Watt FM. <i>JID</i>: 132:1977-87</p> <p>2010  De Palma C, Falcone S, Pisoni S, <u>Cipolat S.</u> <i>et al. Cell Death Diff.</i>, vol. 17; p. 1684-1696</p> <p>2009  <u>Cipolat S.</u>, Nachat R., Sevilla LM., Chhatriwala M., Groot KR. And Watt FM. <i>JCS</i>: 122: 4035-4041</p> <p>2007  Frezza C, <u>Cipolat S.</u> and Scorrano L. <i>Nature Protocols</i> 2:287-95.  Frezza C, <u>Cipolat S.</u> and Scorrano L. <i>Methods Mol. Biol.</i> Vol 372: 405-420</p> <p>2006  Cipolat S. Scorrano L. <i>Cell Death Differ.</i> 13: 1833-1834  <u>Cipolat S.</u>, <i>et al. Cell.</i> 126:163-75  Frezza C., <u>Cipolat S.</u>, <i>et al. Cell.</i> 126:177-89</p> <p>2004  <u>Cipolat S.</u>, <i>et al. Proc. Natl. Acad. Sci. U. S. A</i> 101:15927-32</p>
<b>Education</b>	
Title & Institution Period	PhD in Cell Biology, School of Biosciences. University of Padova, Padova, Italy 01/2005-12/2007
Title & Institution Period	M.Sc. in Medical Biotechnologies. University of Padova, Padova, Italy 09/1998-11/2003