

## PERSONAL INFORMATION

Name: Joanna Loizou  
Date of birth: 28 February, 1979 (1 child: 4 May 2006)  
Nationality: Cypriot/British  
Twitter: @LoizouJoanna  
URL for web site: <https://loizoulab.org/>  
<https://scholar.google.at/citations?user=N2K6iW8AAAAJ&hl=en>  
<https://orcid.org/0000-0003-1853-0424>;  
<https://www.scopus.com/authid/detail.uri?authorId=11138804700>

## EDUCATION

2004 PhD in Molecular Biology  
University of Manchester & MRC Genome Damage & Stability Centre, UK  
2000 BSc Hons (1<sup>st</sup> Class) Biological Sciences  
Department of Biological Sciences, University of Salford, UK

## CURRENT POSITION

Feb 2020 **Group Leader**  
Institute of Cancer Research, Medical University of Vienna, Vienna, Austria

## PREVIOUS POSITIONS

Sep 2011 **Principal Investigator**  
CeMM Research Centre for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria  
2007 – 2011 **Postdoctoral Fellow**  
Cancer Research UK (CR-UK), London Research Institute (LRI), London, UK  
2004 – 2007 **Postdoctoral Fellow**  
International Agency for Research on Cancer (IARC), World Health Organisation (WHO), Lyon, France

## FELLOWSHIPS AND AWARDS

2020 – 2026 ERC Synergy Grant  
2012 – 2016 Marie Curie Career Integration Grant  
2007 – 2011 Cancer Research UK (CR-UK) Fellowship  
2008 Young Investigator Award, Ataxia Telangiectasia Workshop, Kyoto, Japan  
2005 – 2007 EMBO Long Term Fellowship  
2004 – 2005 International Agency for Research on Cancer (IARC), World Health Organisation (WHO) Fellowship  
2000 – 2003 Overseas PhD Studentship University of Manchester, UK

## SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Since 2011 7 Postdocs, 2 Visiting Postdocs / 9 PhD Students / 3 Master Students  
CeMM, Austria  
2008 – 2011 1 PhD / 1 Master Student  
Cancer Research UK (CR-UK), London Research Institute (LRI), London, UK  
2004 – 2007 1 PhD Student  
International Agency for Research on Cancer (IARC), World Health Organisation (WHO), Lyon, France

Under Joanna Loizou's direct supervision, PhD Students and Postdocs have acquired highly competitive fellowships and prizes, including: **Wilhelm-Auerswald-Preis**, **Boehringer Ingelheim Fellowship**, **EMBO Long Term Fellowship**, **Marie Skłodowska-Curie Fellowship** as well as **National funding** (x3 DOC Fellowship of the Austrian Academy of Sciences).

**Lab alumni** have secured **positions at leading establishments** including at the University of Geneva, Switzerland, the Institute of Medical Biology, Singapore, The Beatson Institute, UK, the CRG, Barcelona and the NKI, The Netherlands.

## TEACHING ACTIVITIES

Since 2011 Lecturer in the PhD programs Molecular Signal Transduction, Malignant Diseases and Molecular Immunology (Courses, Workshops, Journal Clubs – with focus on disease mechanisms and DNA repair) at the Medical University Vienna, Austria.

## INSTITUTIONAL RESPONSIBILITIES

Since 2016 PhD Thesis Examiner; nationally and internationally  
Since 2012 Member of several PhD Committees; nationally and internationally  
Since 2012 Senior Supervisor; Medical University of Vienna, Austria  
Since 2011 Acquisition of **approx. 5 Mio€** of funding from the ERC, European Commission, EMBO, Boehringer Ingelheim, Austrian Science Fund, City of Vienna and Austrian Academy of Sciences.

## PUBLIC OUTREACH

2012 – 2018 Organiser of the ‘Long Night of Science’, a popular annual public outreach program, Austria  
Since 2011 Public outreach at schools in Austria and the UK  
Joanna Loizou has given several **interviews** both in **international newspapers** (e.g. *Der Standard*, *El Pais*) and on the **radio** (e.g. Ö1 ORF, a public national radio station).

## REVIEWING ACTIVITIES

2016 Scientific Consultant for *Ex Scientia*, a company focused on tailored pharmacology for human diseases  
Since 2013 Grant reviewer for MRC, HSFP, Worldwide Cancer Research, KWF Dutch Cancer Society, amongst other funding agencies  
Since 2011 Manuscript reviewer for *Science*, *Molecular Systems Biology*, *Cell Reports*, *PNAS*, amongst other journals

## MEMBERSHIPS OF SCIENTIFIC SOCIETIES

Since 2019 MiA Academic Mentor for Migrant Academic Females  
Since 2014 International Society for Experimental Haematology (ISEH)  
Since 2011 Member, AcademiaNet: The Portal to Excellent Women Academics

## INVITED PRESENTATIONS TO INTERNATIONALLY ESTABLISHED CONFERENCES

Joanna Loizou has presented her work at **>80 international institutions and meetings**.

## MAJOR COLLABORATIONS

Jacob Corn, ETHZ, Switzerland – CRISPR tools and technologies.  
Trey Ideker, UCSD School of Medicine, USA – Systems biology & personalized medicine.  
Steve Jackson, The Gurdon Institute, UK – DNA repair mechanisms.  
Serena Nik-Zainal, University of Cambridge, UK – Mutation signatures in disease.  
Modesto Orozco, IRB Barcelona, Spain – *In silico* modeling of repair complexes.

## PUBLICATION SUMMARY

Joanna Loizou's publications have received more than 1,700 citations (Google Scholar, October 2019), with Murr\* & Loizou\* *et al Nature Cell Biology*, 2006 cited 517 times and Loizou *et al Cell*, 2004 cited 289 times. Additional publications include the following journals: *Cancer Cell*, *Molecular Cell*, *Nature*, *Nature Communications* x4, *Cancer Discovery* and *Blood*.

## PATENT

Lead inventor in 2017 for the patent (EP17172748) on the discovery of acetohexamide and related sulfonylureas as DNA repair enhancing agents.

## EXAMPLES OF LEADERSHIP IN INDUSTRIAL INNOVATION OR DESIGN

In close collaboration with Horizon Discovery, Joanna has deigned and generated a collection of isogenic cell lines deficient for DNA repair proteins (using CRISPR-Cas9)