FSGene

Medical Molecular Genetics Laboratory

EDUCATION & TRAINING | 2026

Meet *Dr. Sara Cruciani*

Guest Scientific Speaker



Dr. Sara Cruciani, PhD

Researcher in Applied Biologŷ (RTD-A)
Department of Biomedical Sciences,
University of Sassari, Italy

Dr. Sara Cruciani is a researcher in Applied Biology whose work focuses on aging, cellular senescence, oxidative stress, inflammation, regenerative medicine, and mesenchymal stem cells. Her research also explores the biological effects of REAC technology and innovative approaches in regenerative and personalized medicine.

SCIENTIFIC LECTURE

REAC: From Cellular Responses to Regenerative Medicine

DISCOVER / LEARN / EXPLORE / REGENERATE

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SCIENTIFIC LECTURE / 24 NOVEMBER 2026

Inside the *lecture.*

REAC: From Cellular Responses to Regenerative Medicine

DATE	START TIME	FORMAT / LENGTH
24 NOV 2026	12:30 PM KSA	ONLINE · 90 MIN

THE 90-MINUTE ROADMAP

07 SEGMENTS

01	**Introduction to REAC Technology** Background, principles and biological rationale	10 MIN
02	**Biological Effects of Radioelectric Stimulation** Cellular responses, gene expression and signalling	15 MIN
03	**REAC and Redox Regulation** Oxidative stress, nitric oxide, ROS and inflammation	15 MIN
04	**REAC, Cellular Senescence and Aging** SIRT1, mTOR, autophagy and aging pathways	15 MIN
05	**REAC and Regenerative Medicine** Stem cells, tissue homeostasis and repair	15 MIN
06	**Experimental Evidence & Research Perspectives** In vitro models, methods and future directions	10 MIN
07	**Questions and Discussion** Open discussion and interaction with participants	10 MIN

WHAT YOU WILL TAKE AWAY

Understand the principles of REAC technology, assess cellular and molecular evidence, and explore potential research applications in regenerative medicine.