



Special Symposium 3

EANM Journals

Sunday, October 18, 15:00–16:30

Session Title

The EANM Journal Landmark Lecture & Abbas Alavi Award. Fifty Years of FDG: From Discovery to the Future of Precision Medicine

Chairpersons

Irene Burger (Zurich, Switzerland)

Arturo Chiti (Milano, Italy)

Programme

15:00–15:15	Gaia Ninatti (Melbourne, Australia): The Abbas Alavi Award and The EANM Journal Landmark Lecture
15:15–15:35	The EANM Journal Abbas Alavi winner presentation
15:25–15:35	EANM Innovation Abbas Alavi winner presentation
15:40–16:10	Stefano Fanti (Bologna, Italy): Fifty Years of FDG: From Discovery to the Future of Precision Medicine
16:10–16:25	Abbas Alavi (Philadelphia, United States of America): Looking Back, Looking Forward: Reflections on Fifty Years of FDG

Educational Objectives

1. Describe the scientific milestones that led to the development and global clinical adoption of ¹⁸F-FDG PET over the past five decades.
2. Discuss the continuing role of FDG PET in precision medicine, including emerging applications in whole-body imaging, quantitative imaging, and artificial intelligence.
3. Recognise the scientific legacy of Professor Abbas Alavi and the impact of pioneering research on the evolution of molecular imaging and future innovation.

Summary

Fifty years after the introduction of FDG, PET imaging remains one of the most influential innovations in modern medicine. From its first clinical applications to its current role across oncology, cardiology, neurology, infection, inflammation, and systems medicine, FDG has fundamentally transformed disease characterisation and patient management.

This special session celebrates the 50th anniversary of FDG through the inaugural EANM Journal Landmark Lecture highlighting the scientific journey of FDG and its continuing impact on precision medicine. The session will include the presentation of the Abbas Alavi Award to recognise outstanding scientific achievement and inspire the next generation of researchers in molecular imaging.

Key Words

FDG PET, Molecular Imaging, Precision Medicine, History of Nuclear Medicine