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## 1997 AWARD FOR A DISTINGUISHED CONTRIBUTION IN MASS SPECTROMETRY

*Franz Hillenkamp and Michael Karas for their discovery of MALDI*

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**Franz Hillenkamp**

Frankfurt, for their discovery of matrix-assisted laser desorption ionization (MALDI).

MALDI has fundamentally changed much of the methodology used in biochemistry, biology, polymer chemistry and other areas dealing with large molecules.

The ASMS Award for a Distinguished Contribution in Mass Spectrometry recognizes a focused singular achievement in or contribution to fundamental or applied mass spectrometry. The 1997 award is presented to Professor Franz Hillenkamp, University of Münster, and Professor Michael Karas, University of



**Michael Karas**

standing promise of mass spectrometry as a useful tool in the solution of biological problems. It has changed the face of modern biological and macro-molecular mass spectrometry.

The award will be formally presented at 5:15 pm on Thursday, June 5, 1997 at the 45<sup>th</sup> ASMS Conference.

MALDI has revolutionized the analysis of proteins, peptides and oligonucleotides. It has spawned the development of practical and efficient new instruments which have been embraced for use in biological and biochemical research. The development of MALDI has fulfilled the long

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### Previous Award Recipients

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1990 Ronald D. Macfarlane, *Plasma Desorption Ionization*

1991 Michael Barber, *Fast Atom Bombardment Ionization*

1992 John B. Fenn, *Electrospray Ionization*

1993 Christie G. Enke and Richard A. Yost, *Triple Quadrupole Mass Spectrometer*

1994 Donald F. Hunt, *Negative Ion Chemical Ionization*

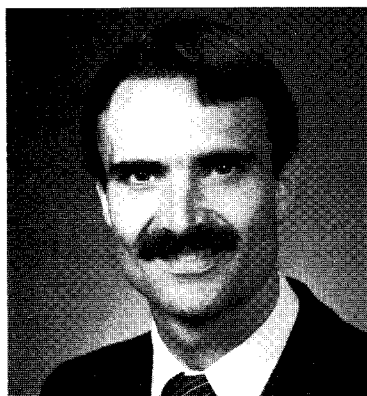
1995 Keith R. Jennings, *Collision Induced Dissociation*

1996 Burnaby Munson and Frank Field, *Chemical Ionization Mass Spectrometry*

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### THE 1997 BIEMANN MEDAL (INAUGURAL AWARD)

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**Scott A. McLuckey**

friends.

The inaugural award is presented to Dr. Scott A. McLuckey of the Chemical and Analytical Sciences Division, Oak Ridge National Laboratory. Dr. McLuckey has made significant contributions to the development of ion trap mass spectrometry with application to fundamental studies of the ion chemistry of multiply-charged polyatomic ions and studies of the unimolecular decomposition chemistry of

The Biemann Medal recognizes a significant achievement in basic or applied mass spectrometry made in the early stages of an individual's career. The award was established to honor Professor Klaus Biemann as an educator and scientist and is endowed by contributions from students, post-doctoral associates, and

multiply-charged anions. In studies of ion/ion chemistry, he and his group were the first to study the reactions of multiply-charged biologically derived ions with oppositely-charged ions *in vacuo*.

His contributions in the development and use of the quadrupole ion trap and the external ion source (e.g., glow discharge and electrospray) quadrupole ion traps have had significant impact in mass spectrometry.

The Biemann Medal will be formally presented 8 am on Wednesday, June 4, at the 45<sup>th</sup> ASMS Conference.

