

# Sławomir Bartkowiak

Date of birth: 1944.02.20  
Place of birth: Warszawa  
Marital status: married

## Education and course of career:

- Master of chemistry 1968, A.Mickiewicz University, Department of Chemistry,
- Doctor of Science 1974, Plant Biochemistry, University of Nature, Institute of Applied Biology, Poznań,
- Doctor hab. 1982, Plant Biochemistry, A.Mickiewicz University, Department of Biology.

## Positions:

1968-1970, researcher(assistant) in Chair of Biochemistry, A.Mickiewicz University,  
1970-1974, senior researcher (st.assistant), 1974-1984 ass.professor(adiunct), 1984-associate professor (docent), Institute of Plant Genetics Pol.Ac.Sci.

1979/1980, Massachusetts Institute of Technology, Cambridge, USA. Prof. A.Rich Laboratory, 5 months, visiting scientist

1987, Friedrich Miescher Institut, Basel, Switzerland, Prof. B.Hohn Laboratory, visiting scientist, 1 month,

1988, Max Planck Institut, Koln, Germany, Prof. H.Saedler Laboratory, visiting scientist, DAAD grant, 3 months,

1989, Laboratory of Plant Genetics Engineering, Kostinbrod, Bulgaria, 2 weeks,

1992, Liege University, Department of Botany, Belgium, Prof.G.Bernier, Visiting Prof. 1 month,

1995, Cornell University, Department of Chemical Engineering, USA, Prof.M.Schuler, Visiting Prof. 1 month,

2003, North Carolina State University, Department of Chemical and Biochemical Engineering, Prof. K.Gubbins, Visiting Prof. 6 weeks.

## Current research interest

- purification and characterization of plant enzymes,
- short peptides as a regulators of activity of enzymes,
- analysis of enzymes and short peptides in pollen and stigma in relation to molecular mechanisms of pollen stigma interaction and self-incompatibility,
- signaling peptides in pollen,
- using of 2D electrophoresis of proteins for characterization of inbred lines and crosses
- whole-cell based biosensors as a tool to detection of signaling molecules

## Publications

- number of papers in referred journals: 58
- number of communications to scientific meeting : 91

## Synergistic activities

1975-1979 Head of Group of Molecular Genetics in Institute of Plant Genet. Pol.Ac.Sci.

1979-2002 Head of Laboratory of Molecular Genetics in Institute of Plant Genet. Pol.Ac.Sci.

2002- Head of Laboratory of Proteomics in Institute of Plant Genet.Pol.Ac.Sci.

1989-1994 Member of Scientific Council of Institute of Human Genetics Pol.Ac.Sci.

1995-1997 Member of Scientific Council of Plant Breeding and Acclimatization Institute,

1979- Member of Scientific Council of Institute of Plant Genet. Pol.Ac.Sci.

Member of Polish Genetics Society,

Investigator in 5 KBN(Polish Committee for Scientific Research) Grants and 3 grants of Ministry of Agriculture

Organizer of 3 periodic conferences: Molecular analysis in pollen

Supervisor of 2 pH.D Thesis  
Supervisor of 15 Master Sci. Thesis  
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