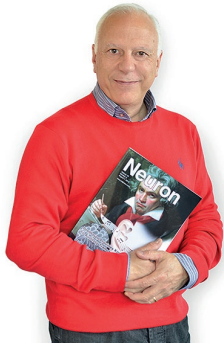


# Prof. Pierluigi Nicotera, MD PhD

German Centre for Neurodegenerative Diseases (DZNE)



German Centre for Neurodegenerative Diseases (DZNE),  
Scientific Director and Chairman

E-Mail: pierluigi.nicotera@dzne.de

## Research Expertise

Prof. Nicotera's main research focus is on molecular mechanisms of cell death and neurodegeneration.

## Education / Training

University of Pavia, Medical School, Italy, Cardiology  
Consultant, 1987

Karolinska Institute, Stockholm, Biochemical Toxicology

PhD, 1986

University of Pavia, Medical School, Italy, Medicine MD, 1982

## Appointments / Positions Held

April 2009 - present

Scientific Director & Chairman of the Executive Board, German  
Centre for Neurodegenerative Diseases (DZNE), Bonn,  
Germany

2002 - 2009

Director of the British Medical Research Council Toxicology  
Unit and Honorary Professor of Neuroscience (Dept. of Cell  
Physiology & Pharmacology), University of Leicester

2005 - 2008

Teaching Professor of Toxicology, Faculty of Pharmacy  
University of Siena, Italy

1996 - 2002

Foreign Adjunct Professor in Toxicology, Karolinska Institute,  
Stockholm, Sweden

1995 - 2000

C4 Professor of Molecular Toxicology, University of Konstanz,  
Germany

1989 - 1994

Senior University Lecturer, Karolinska Institute, Stockholm,  
Sweden

1992

Docent in Molecular Toxicology, Karolinska Institute,  
Stockholm, Sweden

1986 - 1989

Research assistant Professor, Department of Karolinska  
Institute, Stockholm, Toxicology, Sweden

## Honors / Awards

2013

The Chancellor's Award Lecture in Neuroscience at LSU  
Neuroscience Center of Excellence, New Orleans, USA

2012

Honorary Citizenship and Key to the City of New Orleans

2010

The Cardano Prize University of Pavia and Rotary Club Pavia

2003

The Chancellor's Award Lecture in Neuroscience at LSU  
Neuroscience Center of Excellence, New Orleans, USA

2002

"Molecular switches in neuronal cell death" Lecture at the 37th  
Nobel Conference on Apoptosis, Stockholm

1999

The Jacob Hooisma Honorary Lecture at the 7th Meeting of  
the International Neurotoxicology Association, Leicester

1995

The EUROTOX Award Lecture, 1st G. Zbinden Memorial  
Lecture Award, Prague

1992

"Nuclear Calcium Signalling" Lecture at the 20th Nobel  
Conference on Calcium Signalling, Saltsjöbaden, Sweden

1992

The International Life Science Institute Research Foundation  
U.S.A. (ILSI), award

## 10 Most Relevant Publications for Prof. Pierluigi Nicotera

1. Michod, D., Bartesaghi, S., Khelifi, A., Bellodi, C., Berliocchi, L., **Nicotera P.**, and Salomoni, P. (2012) Calcium-Dependent Dephosphorylation of the Histone Chaperone DAXX Regulates H3.3 Loading and Transcription upon Neuronal Activation. *Neuron* 74(1):122-135
2. Ziviani E, Lippi G, Bano D, Munarriz E, Guiducci S, Zoli M, Young KW, **Nicotera P.** 2011. Ryanodine receptor-2 upregulation and nicotine-mediated plasticity. *EMBO J* 30(1): 194-204.
3. Regad T, Bellodi C, **Nicotera P**, Salomoni P. 2009. The tumor suppressor Pml regulates cell fate in the developing neocortex. *Nat Neurosci* 12: 132-40.
4. Berliocchi L, Fava E, Leist M, Horvat V, Dinsdale D, Read D, **Nicotera P.** 2005. Botulinum neurotoxin C initiates two different programs for neurite degeneration and neuronal apoptosis. *J Cell Biol* 168: 607-18.
5. Bano D, Young KW, Guerin CJ, Lefevre R, Rothwell NJ, Naldini L, Rizzuto R, Carafoli E, **Nicotera P.** 2005. Cleavage of the plasma membrane Na<sup>+</sup>/Ca<sup>2+</sup> exchanger in excitotoxicity. *Cell* 120: 275-85.
6. Orrenius S, Zhivotovsky B, **Nicotera P.** 2003. Regulation of cell death: the calcium- apoptosis link. *Nat Rev Mol Cell Biol* 4: 552-6.
7. Schierle GS, Hansson O, Leist M, **Nicotera P**, Widner H, Brundin P. 1999. Caspase inhibition reduces apoptosis and increases survival of nigral transplants. *Nat Med* 5: 97-100.
8. Leist M, Single B, Castoldi AF, Kuhnle S, **Nicotera P.** 1997. Intracellular adenosine triphosphate (ATP) concentration: a switch in the decision between apoptosis and necrosis. *J Exp Med* 185: 1481-6.
9. Bonfoco E, Krainc D, Ankarcrona M, **Nicotera P**, Lipton SA. 1995. Apoptosis and necrosis: two distinct events induced, respectively, by mild and intense insults with N-methyl-D- aspartate or nitric oxide/superoxide in cortical cell cultures. *Proc Natl Acad Sci U S A* 92: 7162-6.
10. Ankarcrona M, Dypbukt JM, Bonfoco E, Zhivotovsky B, Orrenius S, Lipton SA, **Nicotera P.** 1995. Glutamate-induced neuronal death: a succession of necrosis or apoptosis depending on mitochondrial function. *Neuron* 15: 961-73.