

CURRICULUM VITAE

Guido Kroemer

Contact Information:

INSERM, U848 "Apoptosis, Cancer & Immunity", Institut Gustave Roussy, Pavillon de Recherche 1
39, rue Camille Desmoulins, F- 94805 Villejuif, France

Tel : 33-1- 42 11 60 46

Fax: 33-1- 42 11 60 47

E-mail : kroemer@orange.fr

Personal Information

Date of Birth: 11 June 1961

City, Country of Birth: Leer, Germany

Citizenship: Austria + Spain

Languages: German, French, Italian, English, Spanish (all fluent)

Education

Date	Degree	Institution	Subject
1992	Ph.D.	Autonomous University of Madrid, Spain	Molecular Biology
1990	Habilitation	University of Innsbruck, Austria	Pathophysiology
1985	M.D.	University of Innsbruck, Austria	Immunology

Academic appointments/affiliations

Dates	Title	Organization	City, Country
2010	Founding Director	European Research Institute for Integrated Cellular Pathology	Paris, France
2009	Vicepresident & President elect	European Cell Death Organization	Ghent, Belgium
2007-present	"Directeur de Recherche de classe exceptionnelle"	INSERM (French Medical Research Council)	Paris, France
2007-present	Director	INSERM Unit 848	Villejuif, France
2003-present	"Interface" contract holder	INSERM/Institut Gustave Roussy	Paris, France
2000-present	Consultant	Institut Gustave Roussy	Villejuif, France
2000-2006	Research Director (INSERM)	CNRS-UMR1599/8125/FRE2939	Villejuif, France
1999-2001	Burnham Fellow	Burnham Institute	La Jolla, CA, USA
1996-1999	Research Director (INSERM)	CNRS-UPR420, IRSC	Villejuif, France
1993-1996	Senior Scientist (INSERM)	CNRS-UPR420, IRSC	Villejuif, France
1992-1993	Group Leader	National Center for Biotechnology	Madrid, Spain
1990-1992	Group Leader	Center of Molecular Biology	Madrid, Spain
1990-present	Universitätsdozent (Assoc. Prof.)	Medical University of Innsbruck	Innsbruck, Austria
1988-1990	Postdoctoral Fellow	Collège de France	Nogent-sur-Marne, France
1986-1988	Assistant Professor	University of Innsbruck	Innsbruck, Austria
1984	Instructor	Wayne State University	Detroit, MI, USA
1982-1985	Student Professor	University of Innsbruck	Innsbruck, Austria

Honors/Awards

Date	Name	Institution
2011	ICDS Lifetime Achievement Award	International Cell Death Society (ICDS), New York, USA
2010	ECDO Carrier Award	European Cell Death Organization (ECDO)
2009	Dautrebande Pathophysiology Prize	Belgian Royal Academy of Sciences, Bruxelles, Belgium
2008	Carus Prize	Prize of the City of Schweinfurt, Germany
2007	Carus Medal	German Academy of Sciences (Leopoldina)
2007	Grand Prix Mergier-Bourdeix	French Academy of Sciences, Institut de France
2006	Descartes Prize	European Commission, Bruxelles, Belgium
2000	Jacques Sylvain Bourdin Prize	Ligue Nationale contre le Cancer, France
2000	INSERM Prize for Pathophysiology	French Medical Research Council (INSERM), France
1999	Gallet and Breton Prize	National Academy of Medicine, France
1999	Medical Research Prize	Fondation pour la Recherche Médicale, France
1998	Research Prize	Conseil Général des Yvelines, Versailles, France
1998	Monika Kutzner Cancer Research Prize	Academy of Sciences of Berlin-Brandenburg, Germany
1997	Jean Valade Prize	Fondation de France, France
1997	Charles Oberling Prize	Senate of the French Republic
1996	Annual Research Prize	Ligue Nationale contre le Cancer, France
1988	Erwin Schrödinger Fellowship	Austrian National Research Foundation
1988	Hoechst Prize	University of Innsbruck, Austria
1985	Prize for the best M.D./Ph.D. thesis	Austrian Society for Allergology and Immunology

Named and Keynote lectures

<u>Date</u>	<u>Name</u>	<u>Description</u>
2011	ICDS Award Lecture	International Cell Death Organization Meeting (Santiago de Chile)
2010	Keynote Speaker	Fond National de la Recherche Scientifique (Bruxelles, Belgium)
2010	ECDO Honorary Lecture	Annual ECDO Conference (Ghent, Belgium)
2010	Keynote Speaker	Apoptosis Workshop of the Israel Science Foundation (Jerusalem, Israel)
2010	Keynote Speaker	AACR Conference on Cell Death Mechanisms (San Diego, CA, USA)
2010	Keynote Speaker	Conference of the French Cancer Research Society (Paris, France)
2009	Plenary Address	21 th EORTC-NCI-AACR Conference (Boston, USA)
2009	Keynote Speaker	EMBO Conf. on Mitochondria, Apoptosis & Cancer (Prague, Czech Republic)
2009	Charles Darwin Lecture	Leopoldina Symposium on Cell Death Evolution (Würzburg, Germany)
2009	Keynote Speaker	International Conference on Yeast Apoptosis (Graz, Austria)
2009	Keynote Speaker	Nobel Mini-Symposium on Cell Death (Stockholm, Sweden)
2009	Keynote Speaker	7 th Intern. Symp. on Targeted Anticancer Therapies (Amsterdam, Netherlands)
2009	Keynote Speaker	EMBO Workshop on Model Organisms in Cell Death (Innsbruck, Austria)
2008	Cluster Lecture	Kiel and Lübeck Universities (Germany)
2008	Plenary Address	20 th EORTC-NCI-AACR Conference (Geneva, Switzerland)
2008	Plenary Address	EMBO Conference on Cell Death & Immunity (Zaragoza, Spain)
2008	Keynote Speaker	Conference on Mitochondria in Apoptosis (Versailles, France)
2008	John Humphrey Lecture	Imperial College (London, UK)
2007	Keynote Speaker	Annual Meeting of the Swiss Society of Pharmacology (Bern)
2007	Keynote Speaker	Ernst Schering Foundation Symposium (Berlin, Germany)
2006	Severo Ochoa Centennial Lecture	Spanish Society for Biochemistry (Alicante, Spain)
2005	Keynote Speaker	International Cell Death Meeting (Renaca, Chile)
2005	Keynote Speaker	Systems Biology 05 (Stowe, Vermont, USA)
2005	Keynote Address	30 th Symposium on Hormones and Regulation (St Odile, France)
2005	Keynote Speaker	Eurocancer 05 (Paris, France)
2003	Novum Lecture at Nobel Forum	Karolinska Institute (Stockholm, Sweden)
2001	Keynote Speaker	German Society for Immunology (Innsbruck, Austria)
2000	Plenary Address	National Academy of Medicine (Paris, France)
2000	Plenary Address	11 th EORTC-NCI-AACR Conference (Amsterdam, Netherlands)
1998	Plenary Address	Berlin Brandenburg Academy of Sciences (Berlin, Germany)

Guido Kroemer has been invited as a speaker to more than 350 international conferences. He has given plenary lectures at 16 Gordon Conferences, 14 Keystone Conferences, 11 ECDO Conferences, 7 EMBO Conferences, and 6 ICDS Conferences, among many others.

Elected Memberships: Academies

<u>Date</u>	<u>Organization</u>	<u>Position</u>
2010	European Academy of Sciences (EAS)	Elected Member (Academician)
2009	European Academy of Cancer Sciences (EACS)	Founding Member
2008	European Academy of Science and Arts (EASA)	Elected Member (Academician)
2007	German National Academy of Sciences (Leopoldina)	Elected Member (Academician)
2007	Academia Europaea	Elected Member (Academician)
2007	Austrian Academy of Sciences (AAS)	Foreign Member
2000	European Molecular Biology Organization (EMBO)	Elected Member

Elected Memberships: Societies

<u>Date</u>	<u>Organization</u>	<u>Position</u>
2002	European Cell Death Organization (ECDO)	Board of Directors
2002	American Society of Cell Biology, USA	Honorary Member
1998	International Cell Death Organization	Member
1997	American Association of Cancer Research, USA	Member
1995	European Cell Death Organization (ECDO)	Founding Member
1992	American Association of Immunologists, USA	Member
1991	Société Française d'Immunologie, France	Member

Editorial Boards: Present

Date	Journal (Organization)	Position
2010/11	Seminars in Immunopathology	Guest Editor
2010-present	Oncotarget (Impact Journals)	Editorial Board Member
2010-present	Cells – Structure, Function and Systems Biology	Editorial Board Member
2010	Current Opinion in Cell Biology (Elsevier)	Guest Editor
2009-present	Cell Death & Medicine (Nature Publishing Group)	Editor-in-Chief
2009-present	Journal of Molecular Cell Biology (Oxford Journals)	Associate Editor
2009-present	EMBO Journal (Nature Publishing Group)	Editorial Board Member
2009-present	EMBO Reports (Nature Publishing Group)	Editorial Board Member
2009-present	Genes & Cancer (Sage Publisher)	Editorial Board Member
2009-present	Oncogene (Nature Publishing Group)	Reviews Editor
2009-present	African Journal of Cancer (Springer)	Editorial Board Member
2009-present	Molecular and Cellular Pharmacology (LumiText Publishing)	Editorial Board Member
2009-present	The Open Leukemia Journal (Bentham Open)	Editorial Board Member
2008-present	Aging (Impact Journals)	Editorial Board Member
2008-present	The Open Cell Signaling Journal (Bentham Open)	Editorial Board Member
2008-present	The Open Surgical Oncology Journal (Bentham Open)	Editorial Board Member
2008-present	Chinese Journal of Cancer (Landes Bioscience)	Editorial Board Member
2008-present	Current Bioactive Compounds (Bentham Science Publisher)	Associate Editor
2008-present	Biochemical Biophysical Research Communications (BBRC)	Editor
2008-present	Autophagy (Landes Bioscience)	Associate Editor
2008-present	The Open Enzyme Inhibition Journal (Bentham Open)	Editorial Board Member
2007-present	Cell Cycle (Landes Bioscience)	Editorial Board Member
2007-present	The Open Cancer Journal (Bentham Science Publishers)	Editorial Board Member
2007-present	Chemical Biology & Drug Design (Blackwell)	Editorial Board Member
2006-present	Asian Journal of Biochemistry (Academic Journals)	Editorial Board Member
2005-present	Current Cancer Therapy Reviews (Bentham Science Publisher)	Editorial Board Member
2004-present	Signal Transduction- Receptors, Mediators & Genes (Wiley-VCV)	Advisory Board
2003-present	Experimental Cell Research (Academic Press)	Editorial Board Member
2003-present	Cancer Therapy (Gene Therapy Press)	Editorial Board Member
2003-present	Biochimie (Elsevier)	Editorial Board Member
2000-present	Cancer Research (American Association for Cancer Research)	Associate Editor
1998-present	Cell Death and Differentiation (Nature Publishing Group)	Receiving Editor
1998-present	Apoptosis (Springer)	Editorial Board Member
1997-present	International Journal of Oncology (Spandidos)	Editorial Academy Member

Editorial Boards: Past

Date	Journal (Organization)	Position
2009	BBA Molecular Cellular Research (Elsevier)	Guest Editor
2008	Current Opinion in Immunology (Elsevier)	Guest Editor
2007-2009	Proceedings of the National Academy of Sciences, USA	Guest Editor
2007	Immunological Reviews (Munksgaard-Springer)	Guest Editor
2007	Apoptosis (Springer)	Special Guest Editor
2005-2007	American Journal of Immunology (Science Publications, NY)	Regional Editor
2005-2007	Autophagy (Landes Bioscience Publisher)	Editorial Board Member
2005	Journal of Clinical Investigation (Rockefeller University Press)	Guest Editor
2005/6/8/9	Cell Death Differentiation (Nature Publishing Group)	Special Guest Editor
2004, 2006	Oncogene/Oncogene Reviews (Nature Publishing Group)	Guest Editor
2003-2004	Biology of the Cell (Elsevier)	Editorial Board Member
2003,2005	Biochemical Biophysical Research Communications	Guest Editor
2003	Chemtracts - Molecular and Cellular Biology (Data Trace Publ.)	Special Editor
2003	Current Medicinal Chemistry (Bentham Publishers)	Guest Editor
2002-2005	EMBO Reports (Nature Publishing Group)	Editorial Board Member
2002-2004	EMBO Journal (Nature Publishing Group)	Editorial Board Member
2002	Biochimie (Elsevier)	Guest Editor
2000-2007	Mitochondrion (Elsevier)	Associate Editor
1996-2002	Immunology Letters (European Federation of European Societies)	Executive Editor
1995-1997	Immunology Manuals Series (Landes Bioscience)	Board Member
1995	Current Topics in Microbiology and Immunology (Springer)	Guest Editor
1992	Seminars in Immunology (Academic Press)	Guest Editor
1992	Research in Immunology (Annales de l'Institut Pasteur, Elsevier)	Guest Editor

Journal reviewer for: American Journal of Chemistry, American Journal of Pathology, American Journal of Physiology, Cancer Cell, Cancer Research, Carcinogenesis, Cell, Cell Host & Microbe, Cell Metabolism, Cellular and Molecular Biology, BioEssays, Blood, Clinical Cancer Research, Circulation, Current Biology, Developmental Cell, European Journal of Immunology, FASEB Journal, Gastroenterology, Genes and Development, Gut, Hepatology, Human Molecular Genetics, Immunity, Journal of the American Chemical Society, Journal of Biological Chemistry, Journal of Cell Biology, Journal of Cell Science, Journal of Clinical Investigation, Journal of Experimental Medicine, Journal of Hepatology, Journal of Immunology, Journal of the National Cancer Institute, Journal of Neuroscience, Journal of Pathology, Journal of Virology, International Journal of Radiation Biology, Lancet, Molecular and Cellular Biology, Molecular Cell, Molecular Biology of the Cell, Molecular Pharmacology, Molecular Systems Biology, Nature, Nature Cell Biology, Nature Chemical Biology, Nature Genetics, Nature Immunology, Nature Medicine, Nature Reviews in Cancer, Nature Reviews in Molecular and Cellular Biology, Nature Reviews in Neuroscience, Neuroscience, New England Journal of Medicine, Oncogene, PLoS Biology, PLoS One, PLoS Pathogen, Proceedings of the National Academy of Sciences USA, Science, Science Signaling, Trends in Biochemistry, Trends in Cell Biology, Trends in Immunology, Trends in Molecular Medicine, among many others.

Scientific Boards

Date	Organization	Position
2009-present	American Association of Cancer Research (AACR)	Member, Program Committee
2009-present	Worldwide Innovative Networking (WIN), Paris, France	Scientific Advisory Board
2009	LBMCC (Laboratory of Molecular Biology), Luxembourg	Member, Review Team
2008	ICREA (Catalan Institute for Research and Advanced Studies)	Member, Review Team
2007-present	Oncology Discovery of Bayer Schering Pharma (BPS)	Scientific Advisory Board
2007-present	Italian Association for Cancer Research, Milano, Italy	Member, Review Team
2006-present	Charles Oberling Prize Committee, Paris, France	Member
2006	Deutsches Krebsforschungszentrum (DKFZ), Heidelberg, Germany	Member, Review Team
2005-present	Nomenclature Committee on Cell Death (NCCD)	President
2005-2009	Cancéropôle Ile-de-France, Oncogenesis Project	Coordinator
2003-2007	National Committee of the Association pour la Recherche sur le Cancer (ARC), France	Member
2001-2004	Expert of the Ministry of Science, France	Member, Review Team
2001-2004	Alliance for Cellular Signaling (AfCS), USA	Member
2000-2003	Department of Molecular and Structural Biology, CEA, Grenoble	Scientific Advisory Board
2000-2001	Expert Committee of FONDAP-FONDECYT, Santiago de Chile	Member
1999-2005	ANRS Coordinated Action on lymphocyte homeostasis, France	Member
1999-2003	Centre de Recherche Chirurgicale Henri Mondore, Créteil, France	Member, Advisory Board
1999-2002	Experts of the European Commission	Member, Review Team

Grant reviewer for: Academy of Sciences of Austria; Agence Nationale de Recherche, France; Agencia Nacional de Evaluación y Prospectiva, Spain; Association pour la Recherche sur le Cancer, France; A*STAR Singapore; Austrian Science Foundation; Biotechnology and Biological Research Council, UK; Canada Research Chair Program; Cancer Research Campaign (UK); Comité National de Recherche Clinique (Ministère du Travail et des Affaires Sociales), France; European Commission (Quality of Life and Management of Living Resources), Brussels, Belgium; EMBO (European Molecular Biology Organization) Fellowship Program; EMBO Young Investigator Program; European Science Foundation; Fondation pour la Recherche Médicale, France; Foundation for Polish Science; Deutsche Forschungsgemeinschaft, Germany, Dutch Cancer Society, The Netherlands; Human Frontier Science Program (HFSP); Institut National de la Santé et de la Recherche Médicale (INSERM), France; International Association for Cancer Research (UK); Italian Association for Cancer Research (AIRC); Italian Minister for Research; Imperial Cancer Research Foundation, UK; Institut National pour le Cancer, France; Israel Science Foundation; Leukemia Research Fund, UK; Ligue Nationale Contre le Cancer, France; Medical Research Council, London, UK; Mérieux Alliance, Lyon, France; National Institute of Health USA; National Science Foundation, USA; Swiss National Science Foundation; Research Grant Council of Hongkong; The Wellcome Trust (UK); US-Israel Binational Science Foundation, among others.

Positions in pharmaceutical industry and biotechnology

Dates	Title	Organization	City, Country
2008-present	Consultant	Enzo Lifesciences Inc.	Lausen, Switzerland
2005-present	Consultant	Bayer-Schering Pharma	Berlin, Germany
2004-present	Scientific Advisory Board	IOM Ricerca	Catania, Italy
2003-2006	Scientific Advisory Board	Apogenix Biotechnology Co	Heidelberg, Germany
2000-2001	Consultant	Institut Scientifique Aventis	Ivry-sur-Seine, France

Organization of international conferences

Date	Function	Meeting	City, Country
2011, March	Organizer	2 nd International Conference on Immunochemotherapy	Philadelphia, USA
2011, Jan	Organizer	Euroconference on Integrated Cellular Pathology	Luxembourg
2010, April	President	Conference on Integrated Cellular Pathology	Paris, France
2010, March	Organizer	Keystone conference on Cell Death Pathways: Apoptosis, Autophagy and Necrosis	Vancouver, Canada
2010, Jan	Organizer	International Workshop on Apoptosis Inducing Factor	Paris, France
2010, Jan	Organizer	Cell death conference of the French Cancer Society	Paris, France
2009, Sept	President	ECDO Conference on Degradation, Destruction & Death	Paris, France
2009, Sept.	Organizer	Leopoldina Conference on Programmed Cell Death	Würzburg, Germany
2008, Oct.	Organizer	1 st International Conference on Immunochemotherapy	Paris, France
2007, Nov.	President	Ernst Schering Symposium on Tumor Cell Metabolism	Berlin, Germany
2007, March	President	Euroconference on Death, Danger and Immunity	Paris, France
2006, Dec.	Organizer	ECDO Conference on the Immune Response against Dying Tumor Cells	Villejuif, France
2006, Sept.	Organizer	International Conference on Cancer Cell Biology	Villejuif, France
2002, Oct.	President	10 th Euroconference on Apoptosis: "Charming to Death"	Paris, France
2002, May	Organizer	Capri Conference on Cell Death	Capri, Italy
2000, June	Organizer	Villa Vigoni Conference on Programmed Cell Death	Cadenabbia, Italy
1999, Dec.	President	International Business Communication (IBC) conference on Mitochondria in Apoptosis	Washington, DC, USA
1998, Nov.	President	INSERM Philippe Laudat Conference "Mitochondria in, Health, Death and Disease"	Aix-les-Bains, France
1998, Jan.	Co-Organizer	Special Conference of the American Association of Cancer Research (AACR) on programmed cell death	Palm Springs, CA, USA
1995, Nov.	President	INSERM Philippe Laudat Conference "Mechanisms of Selection in the Immune System"	Aix-les-Bains, France

Other contributions to the organization of meetings: 2nd Tatra Immunology Conference (Tatra, Slovakia; Sept. 1996): advisory panel; Gordon Research Conference on Cell Death (New London, NH; June 1997): scientific advisory panel; Surgery and Critical Care Cellular and Molecular Mechanisms (Bonn, Germany, March 1998): scientific committee; International Conference on Superoxide Dismutases (Paris, France, May 1998): organizing committee; Gordon Research Conference on Cell Death (USA; June 27 - July 2, 1999): scientific advisory panel; Cell Death Conference (El Escorial, Spain; May 2000): organizing committee; International Symposium on MDS (Paris, May 16-18): scientific committee; International Symposium "Nitric Oxide, a Janus Molecule" (Rome, June 13-14): scientific committee; 11th Euroconference on Apoptosis (Ghent, Belgium, Oct. 2003): scientific committee; 12th Euroconference on Apoptosis (Kania, Greece, Oct. 2004): scientific committee; European Trans-Death Meeting (Villejuif, France, Jan. 2004): organizer; Symposium on Mechanisms of Cell Death: Molecular insights and therapeutic perspectives (Santiago de Chile, April 2005): organizing committee; Eurocancer 2005 (Paris, June 2005): organizing committee; Gordon Conference on The Molecular Therapeutics of Cancer (Colby Sawyer, NH, USA; July 2005): organizing committee; 30th FEBS Congress and the 9th IUBMB Conference (Budapest, Hungary, July; 2005): International Organizer; 13th European Cancer Conference (Paris, Oct. 2005): national organizing committee; Bari Meeting on "Mitochondrial Bioenergetics: from Molecular Insights to Pathophysiology" (Bari, Italy, Dec. 2005): advisory board; ECDO Euroconference on Apoptosis (Cagliari, Italy, Sept. 2006): organizing committee; ECDO Euroconference on Apoptosis (Portorose, Slovenia, Oct. 2007): organizing committee; Bari International Symposium on "Mitochondrial Physiology and Pathology" (Bari, Italy, June 2008): scientific advisory board; ECDO Euroconference on Apoptosis (Bern, Switzerland, Sept. 2008): organizing committee; ECDO Euroconference on Apoptosis (Ghent, Belgium, Sept. 2010): organizing committee;

Teaching: University of Innsbruck, Austria, Faculty of Medicine (1984-); Autonomous University of Madrid, Spain, Faculty of Sciences (1991); University of Lyon, Faculty of Medicine (1996); University of Paris Sud, France, Faculty of Sciences (1995-1997); University of Paris René Descartes-Necker Hospital, France, (1996); University of Versailles-Saint Quentin, France, Faculty of Sciences (1995-1997); University of Zaragoza, Spain, Faculty of Sciences (1997); University of Paris VII Denis Diderot, France, Faculty of Medicine (1997-2002); University of Strasbourg (1998), France, University of Nice Sophia Antipolis (1998); University of Paris VI (1999); University of Paris IX (2001-2002); University of Rome Tor Vergata (2003-); University of Paris XI (2005-); Molecular Biology of the Cell Course of the Pasteur and Curie Institutes (2008), Ecole Supérieure de Physique et de Chimie Industrielle de la Ville de Paris (2008); International PhD Program in Immunology, Cell Biology and Biochemistry of the Institute for Research in Biomedicine, Bellinzona, Switzerland (2009).

Bibliometric parameters: h index = 108; more than 45,000 citations

Date	Description	Source
2010	1 st Top rank scientist in apoptosis and cell death research >1991	National Center for Biotechnology Information, NIH http://www.caspases.org
2010	1 st top rank scientist in research on mitochondria >1991 worldwide	http://www.mitochondrial.net
2009	1 st Top European scientist in cell biology 1996-2007	Labtimes, 2009, Issue 5, p. 42 http://www.labtimes.org
2008	Red Hot Research Paper 2007 Obeid et al. <i>Nature Medicine</i> 2007	Worldwide 20 th most-cited research paper identified by Science Watch, March/April 2008: p. 2 http://sciencewatch.com/ana/fea/08maraprFea/#1
2007	1 st Top European Scientist in Immunology 2000-2006	Labtimes, 2007, Issue 5, p. 40 http://www.labtimes.org
2006	3 rd Top Rank Scientist in general Biomedicine 1995-2005, worldwide, "Doctor of the Decade"	Science Watch ranking (Jan/Feb 2006). http://scientific.thomson.com/press/2006/8304095/
2004	ISI "Highly cited researcher" in the area of Immunology 1984-2004	Institute for Scientific Information, Philadelphia, USA http://isihighlycited.com/ . List of 250 worldwide most cited scientists
2003	Worldwide most cited scientist in the area of cell death 1994-2003	HistCite, University of Pennsylvania, USA http://garfield.library.upenn.edu/histcomp/celldeathdiff_citing/list/au-lcs.html
2002	Top 10 list of most cited scientists in Apoptosis 1991-2001	Institute for Scientific Information, Philadelphia, USA http://esi-topics.com/apoptosis/authors/b1a.html
2001	French Citation Laureate	Institute for Scientific Information, Philadelphia, USA http://www.isinet.com/emeaads/tourdefrance/laureates.html
2000	Red Hot Research Paper 1999 Susin et al. <i>Nature</i> 1999	Worldwide No. 1 most-cited research paper identified by Science Watch, March/April 2000: p. 2 http://archive.sciencewatch.com/march-april2000/sw_march-april2000_page2.htm

Other inclusion in worldwide citation rankings in 2010: 7th most cited authors in research on proteases (<http://www.proteases.org/>), 13th most cited author on autophagy (<http://sciencewatch.com/ana/st/autophagy/authors/>), 38th most cited author on free radicals (<http://www.freeradicalscience.com/>), 43rd most cited author on heat shock proteins (www.heatshock.net/), 97th most cited author on cell cycle (<http://cellcycle.org/>), 104th most cited author in cancer research (<http://oncoresearch.org/>).

Publication Record: Kroemer has published more than 520 papers (among which more than 350 in the last ten years) including in *Cell* (5x), *Nature* (4x), *Science* (3x), *Nature Cell Biology* (10x), *Nature Medicine* (7x), *Nature Reviews in Molecular and Cellular Biology* (4x), *Nature Reviews in Immunology* (3x), *New England Journal of Medicine*, *Nature Genetics*, *Nature Immunology*, *Nature Reviews in Cancer*, *Nature Reviews in Neuroscience*, *Lancet*, *Annual Reviews of Developmental and Cell Biology*, *Physiological Reviews*, *Cancer Cell*, *Journal of Experimental Medicine* (24x), *Journal of Clinical Investigation* (7x), *Molecular Cell* (3x), *Journal of Cell Biology* (3x), *EMBO Journal* (9x), *Blood* (12x), *Molecular and Cellular Biology* (3x), *Cell Death and Differentiation* (56x), *Oncogene* (49x), *Cancer Research* (18x), *Journal of Immunology* (18x), *Cell Cycle* (18x), *FASEB Journal* (6x), *Journal of Biological Chemistry* (5x), *American Journal of Pathology* (4x), and *Journal of Cell Science* (4x), among many others.

Editorial comments on Dr. Kroemer's work have been published in: *Apoptosis* (Vol. 12 (2007): 631-634), *Cancer Cell* (Vol. 12 (2007): 300-301), *Cell* (Vol. 111 (2002) 147-150; Vol. 131 (2007): 448-50), *Cell Cycle* (Vol. 7 (2008): 2947-2948); Vol. 8 (2009): 335-336; Vol. 8 (2009): 1305-1306; Vol. 8 (2009): 1467); *Cell Death and Differentiation* (Vol.11(2004):691-2), *Faculty of 1000* (<http://www.facultyof1000.com>), *Cell Death and Disease* (Vol. 1 (2010): in press), *Journal of Experimental Medicine* (Vol. 183 (1996): p. 1293-5; Vol. 193 (2001): p. F11-3), *Journal of the National Cancer Institute* (Vol. 102 (2010): p. 76-78); *Nature* (Vol. 397 (1999): 387-389), *Nature Biotechnology* (Vol. 25 (2007): 192-193), *Nature Cell Biology* (Vol. 1 (1999): p. E40; Vol. 4 (2002): E191-E193; Vol. 10 (2008): 637-639; Vol. 11 (2009): 1277 - 1278), *Nature Immunology* (Vol. 8 (2007): p. 1039), *Nature Medicine* (Vol. 12 (2006): 167-8; Vol. 13 (2007): p. 28-30), *Nature Reviews in Cancer* (Vol. 7 (2007) 727), *Nature Reviews in Molecular and Cellular Biology* (Vol. 2 (2001): p. 322), *New England Journal of Medicine* (Vol. 354 (2006): 2503-2504), *Molecular Cell* (Vol. 28 (2007): 520-521), *Science* (Vol. 281 (1998): p. 1309-12; Vol. 292 (2001): pp 624-626; Vol. 292 (2001): 865-866), *Science Business eXchange* (doi:10.1038/scibx.2008.470; doi:10.1038/scibx.2008.486); *The Scientist* (Vol. 15 (2001): 20-21 and Vol. 18 (2004): 25-29), and *Trends in Neuroscience* (Vol. 21 (1998): p. 95), among others. Interviews have been published in *Cancer Biology & Therapy* (Vol. 6 (2007): p1324-1328), *Cell Death and Differentiation* (Vol. 11 (2004): S33-S36), *ESI Special Topics* (www.esi-topics.com), and *Science Watch* (www.sciencewatch.com).

Selected publications (among more than 520):

- Vandenabeele P, Galluzzi L, Kroemer G. Accidental and programmed necrosis. *Nat Rev Mol Cell Biol* invited review
- Terme M, Ullrich E, Menard C, Ghiringhelli F, Apetoh L, Elisee R, Viaud S, Tesniere A, Ryffel B, Deby-Pascher S, Eggle D, Raposo G, Yagita H, Azuma M, Kaplanski G, Chaput N, Walczak H, Schultze JL, Kroemer G, Zitvogel L. Regulatory NK cells: a novel subset of IL-18-elicited NK cells with immunosuppressive functions. *J Exp Med* in revision
- Rodriguez D, Zamorano S, Cheng E, Kroemer G, Hetz C. BH3-only proteins regulate sustained signaling via the Unfolded Protein Response stress sensor IRE1 α . *Proc Natl Acad Sci USA* submitted
- Kroemer G, Levine B. Autophagy and aging. *Nat Cell Biol* invited review
- Zitvogel L, Kepp O, Kroemer G. Cell death, inflammation and immunity. *Cell* invited review
- Fulda S, Galluzzi L, Kroemer G. Targeting mitochondria for cancer therapy. *Nat Rev Drug Discovery*. Invited review, in revision
- Vitale I, Senovilla L, Jemma M, Michaud M, Galluzzi L, Nanty L, Rello-Varona S, Valente A, Kepp O, Castedo M, Kroemer G. Reduction mitosis of tetraploids generates pseudo-diploid cells in a Mos-dependent fashion. *EMBO J* in minor revision
- Galluzzi L, Kepp O, Zitvogel L, Kroemer G. A direct molecular link between autophagy and innate immunity. *Curr Biol* in press
- Maiuri MC, Criollo A, Kroemer G. Crosstalk between apoptosis and autophagy within the Beclin 1 interactome. *EMBO J* in press
- Criollo A, Senovilla L, Kepp O, Authier H, Shen S, Maiuri MC, Tasdemir E, Tallier M, Morselli E, Galluzzi L, Delahaye N, Tesniere A, Commo F, Harper F, Vicencio JM, Ben Younes A, Pierron G, Lavandro S, Zitvogel L, Israel A, Baud V, Kroemer G. The IKK complex contributes to the induction of autophagy. *EMBO J* in press
- Eisenberg T, Knauer H, Schauer A, Büttner S, Ruckenstein C, Carmona-Gutierrez D, Ring J, Schroeder S, Magnes C, Antonacci L, Fussi H, Deszcz L, Hartl R, Schraml E, Criollo A, Megalou E, Weiskopf D, Laun P, Heeren G, Breitenbach M, Grubeck-Loebenstien B, Herker E, Fahrenkrog B, Fröhlich KU, Sinner F, Tavernarakis N, Minois N, Kroemer G*, Madeo F. (*Co-corresponding author). Induction of autophagy by spermidine promotes longevity. *Nat Cell Biol*. 2009 Nov;11(11):1305-14.
- Galluzzi L, Giordanetto F, Kroemer G. Anticancer chemotherapy by targeting HSP70. *Mol Cell* 2009 Oct 23;36(2):176-7.
- Madeo F, Eisenberg T, Kroemer G. Autophagy for the avoidance of neurodegeneration. *Genes Dev*. 2009 Oct 1;23(19):2253-9.
- Ghiringhelli F, Apetoh L, Tesniere A, Aymeric L, Ma Y, Ortiz C, Vermaelen K, Panaretakis T, Mignot G, Ulrich E, Perfettin JL, Schlemmer F, Tasdemir E, Uhl M, Genin P, Civas A, Ruffer B, Kanellopoulos J, Tschopp J, André F, Liderau R, McLaughlin NM, Haynes NM, Smyth MJ, Kroemer G*, Zitvogel L* (equal senior and co-corresponding authors). Activation of the NLRP3 inflammasome in dendritic cells induces IL-1 β -dependent adaptive immunity against tumors. *Nat Med* 2009 Oct;15(10):1170-8
- Zitvogel L, Kroemer G. Anticancer immunochemotherapy using adjuvants with direct antitumor effects. *J Clin Invest*. 2009 Aug;119(8):2127-30
- Galluzzi L, Blomgren K, Kroemer G. Mitochondrial membrane permeabilization in neuronal injury. *Nat Rev Neurosci*. 2009 Jul;10(7):481-94
- Fortunato F, Bürgers H, Bergmann F, Rieger P, Büchler MW, Kroemer G, Werner J. Impaired autolysosome formation correlates with Lamp-2 depletion: role of apoptosis, autophagy, and necrosis in pancreatitis. *Gastroenterology*. 2009 Jul;137(1):350-60
- Green DR, Kroemer G. Cytoplasmic effects of the tumor suppressor p53. *Nature* 2009 April; 458: 1127-1130
- Green DR, Ferguson T, Zitvogel L, Kroemer G. Immunogenic and tolerogenic cell death. *Nat Rev Immunol* 2009 May; 9(5): 353-363
- Madeo F, Kroemer G. Intricate links between ER stress and apoptosis. *Mol Cell*. 2009 Mar 27;33(6):669-70
- Kepp O, Gottschalk K, Churin Y, Rajalingam K, Brinkmann V, Machuy N, Kroemer G, Rudel T. Bim and Bmf synergize to induce apoptosis in *Neisseria gonorrhoeae* infection. *PLoS Pathog*. 2009 Mar;5(3):e1000348.
- Panaretakis T, Kepp O, Brockmeyer U, Tesniere A, Durchschlag M, Joza, N, Pierron G, van Endert P, Yuan J, Zitvogel L, Madeo F, Williams DB, Kroemer G. Mechanisms of pre-apoptotic calreticulin exposure in immunogenic cell death. *EMBO J*. 2009 Mar 4;28(5):578-90
- Galluzzi L, Kroemer G. Necroptosis: a specialized pathway of programmed necrosis. *Cell*. 2008 Dec 26;135(7):1161-1163
- Kroemer G, Levine B. Autophagic cell death. The story of a misnomer. *Nat Rev Mol Cell Biol*. 2008 Dec;9(12):1004-1010
- Perfettini JL, Nardacci R, Bourouba M, Subra F, Gros L, Séror C, Manic G, Rosselli F, Amendola A, Masdehors P, Chessa L, Novelli G, Ojcius DM, Siwicki JK, Chechlinska M, Auclair C, Regueiro JR, de Thé H, Gougeon ML, Piacentini M, Kroemer G. Critical involvement of the ATM-dependent DNA damage response in the apoptotic demise of HIV-1-elicited syncytia. *PLoS One*. 2008 Jun 18;3(6):e2458.
- Kroemer G, Pouyssegur J. Tumor cell metabolism: cancer's Achilles' heel. *Cancer Cell*. 2008 Jun;13(6):472-82.
- Zitvogel L, Apetoh L, Ghiringhelli F, André F, Tesniere A, Kroemer G. The anticancer immune response: indispensable for therapeutic success? *J Clin Invest*. 2008 Jun;118(6):1991-2001.
- Hisatomi T, Nakazawa T, Noda K, Almulki L, Miyahara S, Nakao S, Ito Y, She H, Kohno R, Michaud N, Ishibashi T, Hafezi-Moghadam A, Badley AD, Kroemer G*, Miller JW (* co-corresponding author). HIV protease inhibitors provide neuroprotection through inhibition of mitochondrial apoptosis in mice. *J Clin Invest*. 2008 Jun 2;118(6):2025-2038.
- Galluzzi L, Brenner C, Morselli E, Touat Z, Kroemer G. Viral control of mitochondrial apoptosis. *PLoS Pathog*. 2008 May 30;4(5):e1000018
- Tasdemir E, Maiuri MC, Galluzzi L, Vitale I, Djavaheri-Mergny M, D'Amelio M, Criollo A, Morselli E, Zhu C, Harper F, Nannmark U, Samara C, Pinton P, Vicencio JM, Carnuccio R, Moll UM, Madeo F, Paterlini-Brechot P, Rizzuto R, Szabadkai G, Pierron G, Blomgren K, Tavernarakis N, Codogno P, Cecconi F, Kroemer G. Regulation of autophagy by cytoplasmic p53. *Nat Cell Biol*. 2008 Jun;10(6):676-87.
- Solary E, Giordanetto F, Kroemer G. Re-examining the role of cytochrome c in cell death. *Nat Genet*. 2008 Apr;40(4):379-80

- Boehrer S, Adès L, Braun T, Galluzzi L, Grosjean J, Fabre C, Le Roux G, Gardin C, Martin A, de Botton S, Fenaux P, Kroemer G. Erlotinib exhibits antineoplastic off-target effects in AML and MDS: a preclinical study. *Blood*. 2008 Feb 15;111(4):2170-80.
- Levine B, Kroemer G. Snapshot: Macroautophagy. *Cell* 2008 Jan 11;132(1): 162.e1-162.e3
- Levine B, Kroemer G. Autophagy in the pathogenesis of disease. *Cell* 2008 Jan 11; 132(1): 27-42
- Zitvogel L, Apetoh L, Ghiringhelli F, Kroemer G. Immunological aspects of anti-cancer chemotherapy. *Nat Rev Immunol*. 2008 Jan; 8(1): 59-73
- Vitale I, Galluzzi L, Vivet S, Nanty L, Dessen P, Senovilla L, Olaussen KA, Lazar V, Prudhomme M, Golsteyn RM, Castedo M, Kroemer G. Inhibition of Chk1 kills tetraploid tumor cells through a p53-dependent pathway. *PLoS One*. 2007 Dec 26;2(12):e1337
- Zermati Y, Mouhamad S, Stergiou L, Besse B, Galluzzi L, Boehrer S, Pauleau AL, Rosselli F, D'Amelio M, Amendola R, Castedo M, Hengartner M, Soria JC, Cecconi F, Kroemer G. Nonapoptotic role for apaf-1 in the DNA damage checkpoint. *Mol Cell*. 2007 Nov 30;28(4):624-37
- Pospisilik JA, Knauf C, Joza N, Benit P, Orthofer M, Cani PD, Ebersberger I, Nakashima T, Sarao R, Neely G, Esterbauer H, Kozlov A, Kahn CR, Kroemer G, Rustin P, Burcelin R, Penninger JM. Targeted deletion of AIF decreases mitochondrial oxidative phosphorylation and protects from obesity and diabetes. *Cell*. 2007 Nov 2;131(3):476-91.
- Olaussen KA, Fouret P, Kroemer G. ERCC1-specific immunostaining in non-small-cell lung cancer. *N Engl J Med*. 2007 Oct 11;357(15):1559-61.
- Maiuri MC, Zalckvar E, Kimchi A, Kroemer G. Self-eating and self-killing: crosstalk between autophagy and apoptosis. *Nat Rev Mol Cell Biol*. 2007 Sep;8(9):741-52.
- Apetoh L, Ghiringhelli F, Tesniere A, Obeid M, Ortiz C, Criollo A, Mignot G, Maiuri MC, Ullrich E, Saulnier P, Yang H, Amigorena S, Ryffel B, Barrat FJ, Saftig P, Levi F, Lidereau R, Nogues C, Mira JP, Chompret A, Joulin V, Clavel-Chapelon F, Bourhis J, Andre F, Delaloge S, Tursz T, Kroemer G*, Zitvogel L*. (*Shared senior authors). Toll-like receptor 4-dependent contribution of the immune system to anticancer chemotherapy and radiotherapy. *Nat Med*. 2007 Oct;13(9):1050-1059.
- Kroemer G, Blomgren K. Mitochondrial cell death control in familial Parkinson disease. *PLoS Biol*. 2007 Jul;5(7):e206
- Galluzzi L, Kroemer G. Mitochondrial apoptosis without VDAC. *Nat Cell Biol*. 2007 May;9(5):487-9.
- Maiuri MC, Le Toumelin G, Criollo A, Rain JC, Gautier F, Juin P, Tasdemir E, Pierron G, Troulinaki K, Tavernarakis N, Hickman JA, Geneste O, Kroemer G. Functional and physical interaction between Bcl-X(L) and a BH3-like domain in Beclin-1. *EMBO J*. 2007 May 16;26(10):2527-39.
- Obeid M, Tesniere A, Ghiringhelli F, Fimia GM, Apetoh L, Perfettini JL, Castedo M, Mignot G, Metivier D, Larochette D, van Edert P, Ciccocanti F, Piacentini F, Zitvogel L, Kroemer G. Calreticulin exposure dictates the immunogenicity of cancer cell death. *Nat Med*. 2007 Jan;13(1):54-61
- Kroemer G, Galluzzi L, Brenner C. Mitochondrial membrane permeabilization in cell death. *Physiol Rev*. 2007 Jan;87(1):99-163
- Poncet D, Pauleau AL, Szabadkai G, Voza A, Scholz SR, LeBras M, Brière JJ, Jalil A, LeMoigne R, Brenner C, Hahn G, Wittig I, Schagger H, Lemaire C, Bianchi K, Souquere S, Pierron G, Rustin P, Goldmacher VS, Rizzuto R, Palmieri F, Kroemer G. Cytopathic effects of the Cytomegalovirus-encoded apoptosis-inhibitory protein vMIA. *J Cell Biol*. 2006 Sep 25;174(7):985-96
- Zitvogel L, Tesniere A, Kroemer G. Cancer in spite of immunosurveillance. Immunosubversion and immunosuppression *Nat Rev Immunol*. 2006 Oct;6(10):715-27
- Castedo M, Coquelle A, Vivet S, Kaufmann A, Pequignot MO, Casares N, Valtan A, Mouhamad S, Schmitt E, Modhtahedi N, Zitvogel L, Vainchenker W, Lazar V, Garrido C, Kroemer G. Apoptosis regulation in tetraploid cancer cells. *EMBO J*. 2006 Jun 7;25(11):2584-95
- Taieb J, Chaput N, Menard C, Apetoh L, Ullrich E, Bonmort M, Pequignot M, Casares N, Terme M, Flament C, Opolon P, Lecluse Y, Metivier D, Tomasello E, Vivier E, Ghiringhelli F, Martin F, Klatzmann D, Poynard T, Tursz T, Raposo G, Yagita H, Ryffel B, Kroemer G, Zitvogel L. A novel dendritic cell subset involved in tumor immunosurveillance. *Nat Med*. 2006 Feb;12(2):214-9.
- Braun T, Carvalho G, Coquelle A, Vozenin MC, Lepelley P, Hirsch F, Kiladjan JJ, Ribrag V, Fenaux P, Kroemer G. NF-kappaB constitutes a potential therapeutic target in high-risk myelodysplastic syndrome. *Blood*. 2006 Feb 1;107(3):1156-65
- Casares N, Pequignot MO, Tesniere A, Ghiringhelli F, Roux S, Chaput N, Schmitt E, Hamai A, Obeid M, Coutant F, Metivier D, Pichard E, Aucouturier P, Pierron G, Garrido C, Zitvogel L, Kroemer G. Caspase-dependent immunogenicity of doxorubicin-induced tumor cell death. *J Exp Med*. 2005 Dec 19;202(12):1691-701.
- Kroemer G, Jaattella M. Lysosomes and autophagy in cell death control. *Nat. Rev. Cancer* 2005 Nov;5(11):886-97
- Green DR, Kroemer G. Pharmacological manipulation of cell death: clinical applications in sight? *J Clin Invest*. 2005 Oct;115(10):2610-7
- Kroemer G, Martin SH. Caspase-independent cell death. *Nat. Med*. 2005 Jul;11(7):725-30
- Boya P, Gonzalez-Polo RA, Casares N, Perfettini JL, Dessen P, Larochette N, Metivier D, Meley D, Souquere S, Yoshimori T, Pierron G, Codogno P, Kroemer G. Inhibition of macroautophagy triggers apoptosis. *Mol Cell Biol*. 2005 Feb;25(3):1025-40
- Perfettini JL, Castedo M, Nardacci R, Ciccocanti F, Boya P, Roumier T, Larochette N, Piacentini M, Kroemer G. Essential role of p53 phosphorylation by p38 MAPK in apoptosis induction by the HIV-1 envelope. *J Exp Med*. 2005 Jan 17;201(2):279-89.
- Vahsen N, Cande C, Briere JJ, Benit P, Joza N, Mastroberardini G, Pequignot M, Casares N, Larochette N, Metivier D, Feraud O, Debili N, Piacentini M, Penninger JM, Schagger H, Rustin P, Kroemer G. AIF deficiency compromises oxidative phosphorylation. *EMBO J*. 2004 Nov 24;23(23):4679-89.
- Zhivotovsky B, Kroemer G. Apoptosis and genomic instability. *Nat Rev Mol Cell Biol*. 2004 Sep;5(9):752-62
- Green DR, Kroemer G. Pathophysiology of mitochondrial cell death. *Science*, 2004 Jul 30;305(5684):626-9
- Perfettini JL, Kroemer RT, Kroemer G. Fatal liaisons of p53 with Bax and Bak. *Nat Cell Biol*. 2004 May;6(5):386-8.

- Perfettini JL, Roumier T, Castedo M, Larochette N, Boya P, Raynal B, Lazar V, Ciccocanti F, Nardacci R, Penninger J, Piacentini M, Kroemer G. NF- κ B and p53 are the dominant apoptosis-inducing transcription factors elicited by the HIV-1 envelope. *J Exp Med*. 2004 Mar 1;199(5):629-640
- Boya P, Andreau K, Poncet D, Zamzami N, Perfettini JL, Metivier D, Ojcius DM, Jaattela M, Kroemer G. Lysosomal membrane permeabilization induces cell death in a mitochondrion-dependent fashion. *J Exp Med*. 2003 May 19;197(10):1323-34.
- Brenner C, Kroemer G. The mitochondriotoxic domain of Vpr determines HIV-1 virulence. *J Clin Invest*. 2003 May;111(10):1455-7.
- Perfettini JL, Kroemer G. Caspase activation is not death. *Nat Immunol*. 2003 Apr;4(4):308-10.
- Penninger JM, Kroemer G. Mitochondria, AIF and caspases--rivaling for cell death execution. *Nat Cell Biol*. 2003 Feb;5(2):97-9.
- Castedo M, Perfettini JL, Kroemer G. Mitochondrial apoptosis and the peripheral benzodiazepine receptor: a novel target for viral and pharmacological manipulation. *J Exp Med*. 2002 Nov 4;196(9):1121-5.
- Ye H, Cande C, Stephanou NC, Jiang S, Gurbuxani S, Larochette N, Daugas E, Garrido C, Kroemer G, Wu H. DNA binding is required for the apoptogenic action of apoptosis inducing factor. *Nat Struct Biol*. 2002 Sep;9(9):680-4
- Castedo M, Roumier T, Blanco J, Ferri KF, Barretina J, Tintignac LA, Andreau K, Perfettini JL, Amendola A, Nardacci R, Leduc P, Ingber DE, Druillennec S, Roques B, Leibovitch SA, Vilella-Bach M, Chen J, Este JA, Modjtahedi N, Piacentini M, Kroemer G. Sequential involvement of Cdk1, mTOR and p53 in apoptosis induced by the HIV-1 envelope. *EMBO J*. 2002 Aug 1;21(15):4070-80.
- Mate MJ, Ortiz-Lombardia M, Boitel B, Haouz A, Tello D, Susin SA, Penninger J, Kroemer G, Alzari PM. The crystal structure of the mouse apoptosis-inducing factor AIF. *Nat Struct Biol*. 2002 Jun;9(6):442-6.
- Ferri KF, Kroemer G. Organelle-specific initiation of cell death pathways. *Nat Cell Biol*. 2001 Nov;3(11):E255-63.
- Castedo M, Ferri KF, Blanco J, Roumier T, Larochette N, Barretina J, Amendola A, Nardacci R, Metivier D, Este JA, Piacentini M, Kroemer G. Human immunodeficiency virus 1 envelope glycoprotein complex-induced apoptosis involves mammalian target of rapamycin/FKBP12-rapamycin-associated protein-mediated p53 phosphorylation. *J Exp Med*. 2001 Oct 15;194(8):1097-110.
- Ravagnan L, Gurbuxani S, Susin SA, Maise C, Daugas E, Zamzami N, Mak T, Jaattela M, Penninger JM, Garrido C, Kroemer G. Heat-shock protein 70 antagonizes apoptosis-inducing factor. *Nat Cell Biol*. 2001 Sep;3(9):839-43.
- Boya P, Roques B, Kroemer G. Viral and bacterial proteins regulating apoptosis at the mitochondrial level. *EMBO J*. 2001 Aug 15;20(16):4325-31
- Joza N, Susin SA, Daugas E, Stanford WL, Cho SK, Li CY, Sasaki T, Elia AJ, Cheng HY, Ravagnan L, Ferri KF, Zamzami N, Wakeham A, Hakem R, Yoshida H, Kong YY, Mak TW, Zuniga-Pflucker JC, Kroemer G, Penninger JM. Essential role of the mitochondrial apoptosis-inducing factor in programmed cell death. *Nature*. 2001 Mar 29;410(6828):549-54
- Zamzami N, Kroemer G. The mitochondrion in apoptosis: how Pandora's box opens. *Nat Rev Mol Cell Biol*. 2001 Jan;2(1):67-71
- Jacotot E, Ferri KF, El Hamel C, Brenner C, Druillennec S, Hoebeke J, Rustin P, Metivier D, Lenoir C, Geuskens M, Vieira HL, Loeffler M, Belzacq AS, Briand JP, Zamzami N, Edelman L, Xie ZH, Reed JC, Roques BP, Kroemer G. Control of mitochondrial membrane permeabilization by adenine nucleotide translocator interacting with HIV-1 viral protein R and Bcl-2. *J Exp Med*. 2001 Feb 19;193(4):509-19
- Ferri KF, Jacotot E, Blanco J, Este JA, Zamzami N, Susin SA, Xie Z, Brothers G, Reed JC, Penninger JM, Kroemer G. Apoptosis control in syncytia induced by the HIV type 1-envelope glycoprotein complex: role of mitochondria and caspases. *J Exp Med*. 2000 Oct 16;192(8):1081-92.
- Susin SA, Daugas E, Ravagnan L, Samejima K, Zamzami N, Loeffler M, Costantini P, Ferri KF, Irinopoulou T, Prevost MC, Brothers G, Mak TW, Penninger J, Earnshaw WC, Kroemer G. Two distinct pathways leading to nuclear apoptosis. *J Exp Med*. 2000 Aug 21;192(4):571-80
- Brenner C, Kroemer G. Mitochondria--the death signal integrators. *Science*. 2000 Aug 18;289(5482):1150-1
- Costantini P, Jacotot E, Decaudin D, Kroemer G. Mitochondrion as a novel target of anticancer chemotherapy. *J Natl Cancer Inst*. 2000 Jul 5;92(13):1042-53.
- Kroemer G, Reed JC. Mitochondrial control of cell death. *Nat Med*. 2000 May;6(5):513-9.
- Ferri KF, Kroemer G. Control of apoptotic DNA degradation. *Nat Cell Biol*. 2000 Apr;2(4):E63-4.
- Jacotot E, Ravagnan L, Loeffler M, Ferri KF, Vieira HL, Zamzami N, Costantini P, Druillennec S, Hoebeke J, Briand JP, Irinopoulou T, Daugas E, Susin SA, Cointe D, Xie ZH, Reed JC, Roques BP, Kroemer G. The HIV-1 viral protein R induces apoptosis via a direct effect on the mitochondrial permeability transition pore. *J Exp Med*. 2000 Jan 3;191(1):33-46
- Zamzami N, Kroemer G. Condensed matter in cell death. *Nature*. 1999 Sep 9;401(6749):127-8.
- Susin SA, Lorenzo HK, Zamzami N, Marzo I, Snow BE, Brothers GM, Mangion J, Jacotot E, Costantini P, Loeffler M, Larochette N, Goodlett DR, Aebersold R, Siderovski DP, Penninger JM, Kroemer G. Molecular characterization of mitochondrial apoptosis-inducing factor. *Nature*. 1999 Feb 4;397(6718):441-6.
- Susin SA, Lorenzo HK, Zamzami N, Marzo I, Brenner C, Larochette N, Prevost MC, Alzari PM, Kroemer G. Mitochondrial release of caspase-2 and -9 during the apoptotic process. *J Exp Med*. 1999 Jan 18;189(2):381-94
- Marzo I, Brenner C, Zamzami N, Jurgensmeier JM, Susin SA, Vieira HL, Prevost MC, Xie Z, Matsuyama S, Reed JC, Kroemer G. Bax and adenine nucleotide translocator cooperate in the mitochondrial control of apoptosis. *Science*. 1998 Sep 25;281(5385):2027-31
- Kroemer G, Dallaporta B, Resche-Rigon M. The mitochondrial death/life regulator in apoptosis and necrosis. *Annu Rev Physiol*. 1998;60:619-42
- Marzo I, Brenner C, Zamzami N, Susin SA, Beutner G, Brdiczka D, Remy R, Xie ZH, Reed JC, Kroemer G. The permeability transition pore complex: a target for apoptosis regulation by caspases and bcl-2-related proteins. *J Exp Med*. 1998 Apr 20;187(8):1261-71.
- Susin SA, Zamzami N, Castedo M, Daugas E, Wang HG, Geley S, Fassy F, Reed JC, Kroemer G. The central executioner of apoptosis: multiple connections between protease activation and mitochondria in Fas/APO-1/CD95- and ceramide-induced apoptosis. *J Exp Med*. 1997 Jul 7;186(1):25-37

- Kroemer G. The proto-oncogene Bcl-2 and its role in regulating apoptosis. *Nat Med.* 1997 Jun;3(6):614-20
- Susin SA, Zamzami N, Castedo M, Hirsch T, Marchetti P, Macho A, Daugas E, Geuskens M, Kroemer G. Bcl-2 inhibits the mitochondrial release of an apoptogenic protease. *J Exp Med.* 1996 Oct 1;184(4):1331-41.
- Marchetti P, Castedo M, Susin SA, Zamzami N, Hirsch T, Macho A, Haeffner A, Hirsch F, Geuskens M, Kroemer G. Mitochondrial permeability transition is a central coordinating event of apoptosis. *J Exp Med.* 1996 Sep 1;184(3):1155-60.
- Zamzami N, Susin SA, Marchetti P, Hirsch T, Gomez-Monterrey I, Castedo M, Kroemer G. Mitochondrial control of nuclear apoptosis. *J Exp Med.* 1996 Apr 1;183(4):1533-44.
- Macho A, Castedo M, Marchetti P, Aguilar JJ, Decaudin D, Zamzami N, Girard PM, Uriel J, Kroemer G. Mitochondrial dysfunctions in circulating T lymphocytes from human immunodeficiency virus carriers. *Blood.* 1995 Oct 1;86(7):2481-7
- Zamzami N, Marchetti P, Castedo M, Decaudin D, Macho A, Hirsch T, Susin SA, Petit PX, Mignotte B, Kroemer G. Sequential reduction of mitochondrial transmembrane potential and generation of reactive oxygen species in early programmed cell death. *J Exp Med.* 1995 Aug 1;182(2):367-77
- Zamzami N, Marchetti P, Castedo M, Zanin C, Vayssiere JL, Petit PX, Kroemer G. Reduction in mitochondrial potential constitutes an early irreversible step of programmed lymphocyte death in vivo. *J Exp Med.* 1995 May 1;181(5):1661-72.
- Ramirez R, Carracedo J, Zamzami N, Castedo M, Kroemer G. Pertussis toxin inhibits activation-induced cell death of human thymocytes, pre-B leukemia cells and monocytes. *J Exp Med.* 1994 Sep 1;180(3):1147-52
- Wick G, Hu Y, Schwarz S, Kroemer G. Immunoendocrine communication via the hypothalamo-pituitary-adrenal axis in autoimmune diseases. *Endocr Rev.* 1993 Oct;14(5):539-63
- Gonzalo JA, Gonzalez-Garcia A, Martinez C, Kroemer G. Glucocorticoid-mediated control of the activation and clonal deletion of peripheral T cells in vivo. *J Exp Med.* 1993 May 1;177(5):1239-46.
- Kroemer G, Martinez C. The fail-safe paradigm of immunological self-tolerance. *Lancet* 1991; 338: 1246-1249
- Andreu-Sanchez JL, Moreno de Alboran IM, Marcos MA, Sanchez-Movilla A, Martinez-A C, Kroemer G. Interleukin 2 abrogates the nonresponsive state of T cells expressing a forbidden T cell receptor repertoire and induces autoimmune disease in neonatally thymectomized mice. *J Exp Med.* 1991 Jun 1;173(6):1323-9.