

# Curriculum vitae of Roberto Bruzzone, M.D.

## Present position

Co-Director, HKU-Pasteur Research Pole, and Visiting Professor, School of Public Health, LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR; Professor, Institut Pasteur, Paris, France; Co-Director, Centre for Immunology & Infection (C2I), Hong Kong Science and Technology Parks, Hong Kong SAR.

## Address

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## Education

1974	Maturità Classica (Baccalaureate)	Liceo T. Mamiani, Rome, Italy.
1980	Doctor of Medicine	University La Sapienza, Rome, Italy.

## Postdoctoral training

1980-1982	Resident, Department of Gastroenterology, University La Sapienza, Rome, Italy.
1982-1988	Postdoctoral Fellow, Institut de Biochimie clinique, Centre Médical Universitaire, University of Geneva, Geneva, Switzerland.

## Appointments

1988-1994	Research Associate, Department of Medicine (1988-1989) & Department of Cell Biology (1989-1994), Harvard Medical School, Boston, USA.
1995-1997	Investigator, Institut Pasteur, Paris, France.
1998-2017	Director of Research, Institut Pasteur, Paris, France.
2004-2006	Deputy Director, Department of Neuroscience, Institut Pasteur, Paris, France.
2006-2013	Chief Executive Officer, HKU-Pasteur Research Center, The University of Hong Kong, Hong Kong SAR.
2014-2016	Director, International Teaching and Training Program of Institut Pasteur.
2016-2017	Chief Executive Officer, Institut Pasteur Korea, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea ( <i>March 2016 – April 2017</i> ).

- 2006–present Visiting Professor, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong SAR.
- 2013–present Co-Director, HKU-Pasteur Research Pole, School of Public Health, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong SAR.
- 2017–present Professor, Institut Pasteur, Paris, France.
- 2020–present Co-Director, Centre for Immunology & Infection (C2I), Hong Kong Science and Technology Parks, Hong Kong SAR..

## Fellowships, Awards and Main Lectures

- 1988–1991 Senior Postdoctoral Fellowship from the Swiss National Research Foundation.
- 1991 Invited Speaker, 31st Annual Meeting of The American Society for Cell Biology, Boston, USA.
- 1997 Invited Speaker, Joint Meeting of the International Society for Neurochemistry and the American Society for Neurochemistry, Boston, USA.  
Visiting Scientist of the Pasteur-Weizmann Scientific Council (November 1997).
- 2000 Marine Biological Laboratory Fellow, Woods Hole, Massachusetts, USA (July-August 2000).  
Keynote Lecture, European Committee for Treatment and Research in Multiple Sclerosis, Toulouse, France.
- 2001 Invited Speaker, Joint Meeting of the International Society for Neurochemistry and the American Society for Neurochemistry, Buenos Aires, Argentina.
- 2002 Invited Speaker, 3rd FENS (Federation of European Neuroscience Societies) Forum, Paris, France.
- 2002–2003 Guest Group Leader, Department of Clinical Neurobiology, Interdisciplinary Center for Neurosciences, University of Heidelberg, Heidelberg, Germany (July 2002 – December 2003).
- 2005 Invited Speaker, 35th Annual Meeting of the Society for Neuroscience, Washington, DC.
- 2007 Invited Speaker, World Congress of Neuroscience, Melbourne, Australia.
- 2012 Chevalier dans l'Ordre National du Mérite (Knight of the French National Order of Merit).  
Keynote Lecture, 1st ISARIC Scientific Council Meeting, Fondation Mérieux, Annecy, France.
- 2018 Cavaliere dell'Ordine di Merito (Knight of the Italian Order of Merit).
- 2020 Officier dans l'Ordre National du Mérite (Officer of the French National Order of Merit).

## Committees, Administrative & Related Scholarly Activities

- 1996-2006 Co-organizer, "Neuroscience and Medicine" Seminar Series, Institut Pasteur, Paris, France.
- 1998-2003 Member, Study Section on 'Motor Neuron Diseases and Hereditary Motor and Sensory Neuropathies', Association Française contre les Myopathies.
- 1998 Co-Chair, Symposium on "Connexins and information transfer through glia", 3rd European Meeting on Glial Cell Function in Health and Disease, Athens, Greece.
- 2001 Member, Organizing Committee of the 2001 International Gap Junction Conference, Honolulu, USA.
- 2003 Member, Organizing Committee of the 2003 International Gap Junction Conference, Cambridge, UK.
- 2004-2005 Member, Study Section on "Motor Neuron and Neuromuscular Junction", Association Française contre les Myopathies.
- 2004-2008 Specialist Advisor, HUGO (Human Genome Organization) Nomenclature Committee.
- 2005 Co-Chair of the Workshop "Neuroscience – Cells & Infection" organized by Tel Aviv University and the Institut Pasteur.
- 2005-2006 Chair, Study Section on "Motor Neuron and Neuromuscular Junction", Association Française contre les Myopathies.
- 2005-2007 Regional Coordinator of the International Activities of Institut Pasteur in America.
- 2006-2010 Coordinator, Teaching & Training Program of the International Network of Pasteur Institutes
- 2007-2011 Scientific Coordinator, RESPARI/SISEA Projects of the Institut Pasteur International Network
- 2008-2010 Member, Executive Bureau of the Institut Pasteur International Network
- 2008 Co-organizer of the 1st International Conference on "Infectious diseases of the nervous system: Pathogenesis and worldwide impact", September 10-13, Institut Pasteur, Paris, France.
- 2010 Co-organizer of the 2nd International Conference on "Infectious diseases of the nervous system: Pathogenesis and worldwide impact", December 2-6, Reunion Island.
- 2010 Co-Chair of the Annual Scientific Meeting of the Institut Pasteur International Network, The University of Hong Kong, Hong Kong SAR.
- 2011-2021 Director, Board of Directors of Institut Pasteur-Korea, Gyeonggi-do, Korea.
- 2012-2019 Member, Executive Committee of the International Severe Acute Respiratory Infections Consortium (ISARIC).
- 2013 Chair, Gordon Research Conference on "Infections of the Nervous System", Hong Kong.
- 2014 Member, Organizing Committee of the Scientific Symposium of the Institut Pasteur International Network, Paris, France.

- 2016-present Associate Editor, Virology Journal.
- 2017-present Member, International Affairs Committee of the American Society for Cell Biology.
- 2020** Co-Chair, Mini-Symposium "Cells in Stress and Disease (Host-Pathogen Interactions)", Cell Bio Virtual 2020, joint meeting of the American Society for Cell Biology and European Molecular Biology Organization
- 2020-present Chair of ISARIC.
- 2021-present Associate Editor, Frontiers in Cell and Developmental Biology – Molecular and Cellular Pathology.
- 2021-present Editor-in-Chief, Cell and Molecular Life Sciences.

**Ad hoc reviewer** (journals): Am. J. Physiol., Biochim. Biophys Acta, Biophys. J., BMC Biol, BMC Neurosci, Brain Res., Cell Tissue Res., Curr. Biol., Dev. Biol., Development, EMBO J., EMBO Rep., Eur. J. Biochem., Eur. J. Cell Biol., Eur J. Neurosci., Exp. Cell Res., FEBS Lett., Genome Res., Hum. Genet., J. Biol. Chem., J. Cell Sci., J. Comp. Neurol., J. Neurochem., J. Neurocytology, J. Neurosci., J. Physiol., Mol. Biol. Cell, Mol. Cell. Neurosci., Neurobiol. Dis., Neuroscience, PLoS Journals, Proc. Natl. Acad. Sci. USA, Science, Trends Neurosci.

## Teaching

- 1999-2005 Head of Studies, Molecular Biology of the Cell Course, Institut Pasteur, Paris, France.
- 1997-1999 Lecturer, Cell Biology Course of the "Magistère", Ecole Normale Supérieure, Paris, France.
- 2002 Faculty, EMBO Practical Course "Electrical coupling in the retina", University of Oldenburg, Oldenburg, Germany.
- 2002-2006 Lecturer, Development and Plasticity of the Nervous System Course, Institut Pasteur, Paris, France.
- 2006-present Director, Molecular Biology of the Cell Course, Institut Pasteur, Paris, France.
- 2007-present Director, HKU-Pasteur Virology Course, HKU-Pasteur Research Pole, School of Public Health, LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR.
- 2008-present Director, HKU-Pasteur Immunology Course, HKU-Pasteur Research Pole, School of Public Health, LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR.
- 2009-present Director, HKU-Pasteur Cell Biology Course, HKU-Pasteur Research Pole, School of Public Health, LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR.
- 2014-present CMED 6227 Biological basis of diseases, Master of Public Health, School of Public Health, LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR.

- 2014-present Introduction to the Art and Science of Medicine, Problem Based Learning (MBBS Year-1), LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR (*Tutor*).
- 2009 Co-Organizer, EMBO World Practical Course on "Bioinformatics and Comparative Genome Analysis" August 16-29, Hong Kong SAR.
- 2010 Co-Organizer, 23th IBRO School of Neuroscience: "Neurobiology of Infectious Diseases: a View for Global Neuroscience", November 27-December 1, Reunion Island.
- 2015 Co-Director, Croucher Summer Course "Advanced Imaging – From System Biology to Single Cell & Single Molecule Analysis", The University of Hong Kong, Hong Kong SAR.
- 2017 Co-Director, Croucher Summer Course "Advanced Imaging – Single Molecule & Super-resolution Microscopy in Biomedical Research", The University of Hong Kong, Hong Kong SAR.
- 2018 Co-Director, Croucher Summer Course "Emerging Viral Infections – The One-Health Approach", The University of Hong Kong, Hong Kong SAR.
- 2019 Co-Director, Croucher Summer Course "Advanced Imaging – Deep Learning in Imaging & Cell Biology", The University of Hong Kong, Hong Kong SAR.
- 2021 Endocrine and Reproductive Systems, Problem Based Learning (MBBS Year-2), LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR (*Tutor*).
- 2021-2022 Interdisciplinary Health Research Project ( [MBBS Year-2, BNURS Year-4, BPHARM Year-2]), LKS Faculty of Medicine, The University of Hong Kong, Hong Kong SAR (*Tutor*).

### Visiting Scientists in the Lab

- Paola D'Andrea (September 1997 - August 1998), Associate Professor, Department of Biochemistry, University of Trieste, Trieste, Italy
- Harris Ripps (September 1998 - December 1998), Professor, Department of Ophthalmology & Visual Sciences, University of Illinois College of Medicine, USA
- Hannah Monyer (January 2002 – June 2002), Professor and Director, Department of Clinical Neurobiology, University of Heidelberg, Heidelberg, Germany

### Supervision of Students and Postdoctoral Fellows

Catherine Ressot (PhD student, graduated in 1998)

Georgia Mitropoulou (PhD student, graduated in 2003)

Wilfrid Bergeret (Undergraduate student, 1996)

Simone M. Nicholson (Postdoctoral fellow, 1996-2000)

Christophe Lancrin (Master student, 1997)

Nathalie Duval (Postdoctoral fellow, 1998-2001)

Virginie Hamel (Undergraduate student, 1999)  
Marie-Noëlle Monyer (Undergraduate student, 2000)  
Cédric Delevoye (Master student, graduated in 2001)  
Michael T. Barbe (MD thesis student, 2002-2003)  
Nurith J. Jakob (Postdoctoral fellow, 2003-2004)  
Cherry Xia (Master student, graduated in 2009)  
Simon Yip (PhD student, graduated in 2011)  
Mateusz Kudelko (PhD student, graduated in 2011)  
Gladys Lam (Master student, graduated in 2011)  
Nancy Leung (Master student, graduated in 2011)  
Jibin Li (Master student, graduated in 2012)  
Ooiean Teng (PhD student, graduated in 2014)  
Mingyuan Li (PhD student, graduated in 2014)  
Ying Fan (PhD student, graduated in 2015)  
Hok Yeung Lee (PhD student, graduated in 2017)  
Akhee Sabiha Jahan (PhD student, graduated in 2018)  
Joao Pombo (Master student, graduated in 2018)  
Fionn Nok Lam Ma (Master student, graduated in 2018)  
Garrick Ka Wai Yip (Master student, graduated in 2020)  
Athena Pui Yee Li (PhD student, graduated in 2021)  
Carolyn Cohen (PhD student, started in 2019)  
Suisha Liang (PhD student, started in 2019)  
Tomas Huibin Lyu (PhD student, started in 2020)  
Weiwen Liang (PhD student, started in 2020)  
Shreya Gurung (Master student, started in 2021)

## **Membership in Professional Societies**

1982-1988 European Association for the Study of Diabetes  
1983-1990 European Society for Clinical Investigation  
1986-1989 American Pancreatic Association  
2003-2016 Society for Neuroscience  
1990-present American Society for Cell Biology

## Research Seminars, Invited Lectures

### 1984

- Division de Gastroenterologie, University of Geneva, Switzerland.
- Fondation Zyma pour l'Avancement des Sciences Médicales et Biologiques, Nyon, Switzerland.
- Department of Gastroenterology, University of Modena, Modena, Italy.
- Division de Diabétologie, University of Geneva, Switzerland.

### 1985

- Fondation Zyma pour l'Avancement des Sciences Médicales et Biologiques, Nyon, Switzerland.

### 1987

- Department of Physiology, University of California, San Francisco, USA.
- Department of Endocrinology, University of Arizona, Tucson, USA.
- Centre Médical Universitaire, University of Geneva, Geneva, Switzerland.

### 1988

- Division de Physiopathologie clinique, University of Geneva, Switzerland.
- Istituto di Patologia Generale, University of Padua, Padua, Italy.
- Division of Endocrinology, University of Geneva, Geneva, Switzerland.
- Joslin Diabetes Center, Harvard Medical School, Boston, USA.
- Institute of Pharmacology, University of Heidelberg, Germany.

### 1989

- Cattedra di Farmacologia, University of Milan, Italy.
- Istituto di Patologia Generale, University of Ferrara, Ferrara, Italy.

### 1990

- 12th International Subcellular Methodology Forum, University of Surrey, Guildford, UK.

### 1991

- Symposium on "Second messenger systems as targets for new drugs", Philadelphia, USA.

### 1992

- DIBIT, Istituto Scientifico S. Raffaele, Milan, Italy.
- Division of Clinical Biochemistry, University of Geneva, Geneva, Switzerland.
- Keynote lecture, 16th Annual Meeting of the Italian Pancreatic Association, Bologna, Italy.

### 1994

- Division of Hematology-Oncology, Tufts University School of Medicine, Boston, USA.

- National Institute of Neurological Disorders and Stroke, Bethesda, USA.
- INSERM U134, Hôpital de la Salpêtrière, Paris, France.
- Département SIDA et Rétrovirus, Institut Pasteur, Paris, France.

#### 1995

- Institute of Cell Biology, ETH-Zürich, Switzerland.
- UMR C99-43, Faculté des Sciences de Luminy, Marseille, France.
- University of Geneva, Geneva, Switzerland.
- INSERM Symposium on "Neurons-glia cells interactions", Chantilly, France.

#### 1996

- Departamento de Investigación, Hospital Ramón y Cajal, Madrid, Spain.
- Institut des Neurosciences, Université Pierre et Marie Curie, Paris, France.
- International Symposium "Gap Junctions in the Nervous System", Seon, Allemagne.
- 6th Symposium on Neuromuscular Diseases, Versailles, France.

#### 1997

- Department of Neurobiology, The Weizmann Institute of Science, Rehovot, Israel.

#### 1998

- Gap Junctions in the Nervous and Cardiovascular Systems: Clinical Implications, Rio de Janeiro, Brazil.
- Third International Conference on Charcot-Marie-Tooth Disorders, New York Academy of Sciences, Sainte-Adèle, Canada.
- Department of Pharmacology, SUNY/Health Science Center at Syracuse, USA.
- Department of Biological Sciences, SUNY at Buffalo, USA.

#### 1999

- 32<sup>nd</sup> Winter Conference on Brain Research, Snowmass Village, USA.
- Institut Curie, Paris, France.
- CERTO, Hôpital Necker, Paris, France.
- Division de Neurologie, CHU Dupuytren, Limoges, France.
- INSERM U289, Hôpital de la Salpêtrière, Paris, France.
- Université de Paris VI, Paris, France.

#### 2000

- Department of Anatomy, Ruhr-University, Bochum, Germany.
- Marine Biological Laboratory, Woods Hole, USA.

#### 2001

- INSERM U565, Hôpital de la Salpêtrière, Paris, France.
- Istituto G. Gaslini, Genoa, Italy.
- Istituto di Patologia Generale, University of Ferrara, Ferrara, Italy.



**2002**

- Centre de Biologie du Développement, Université Paul Sabatier, Toulouse, France.
- Institut für Genetik, University of Bonn, Bonn, Germany.
- Collège de France, Paris, France.
- Interdisciplinary Center for Neurosciences, University of Heidelberg, Heidelberg, Germany.

**2003**

- Université Paris-Sud, Orsay, France.
- Istituto Superiore di Sanità, Rome, Italy.
- VI European meeting on Glial Cell Function in Health and Disease, Berlin, Germany
- Institute of Eye Research, Amsterdam, The Netherlands.
- Advanced Course on Signal Transduction and Communication in Cancer Cells, Erice, Italy.
- Department of Neuroscience, Institut Pasteur, Paris, France.

**2004**

- Department of Physiology and Biophysics, SUNY at Stony Brook, USA.

**2005**

- International Graduate School of Neuroscience, Ruhr-University, Bochum, Germany.

**2006**

- Department of Physiology, Anatomy and Genetics, Oxford University, UK.
- XIII Meeting of the Brazilian Society for Cell Biology, Buzios, Brazil.
- International Conference on Physiological and Pathological Importance of Gap Junctions, Tokyo, Japan.

**2007**

- Singapore Immunology Network and Genome Institute of Singapore, Singapore.
- Department of Physiology, The University of Hong Kong, Hong Kong.
- VIII European meeting on Glial Cell Function in Health and Disease, London, UK.

**2008**

- Specialists Consultation on Emerging and Established Diseases in South East Asia, Bangkok, Thailand.

**2009**

- REDI (Regional Emerging Diseases Intervention) Center, Singapore.
- Department of Pathology, The University of Hong Kong, Hong Kong.
- EU-SEA Expert Meeting on Vector Borne Diseases, Singapore Immunology Network, Singapore.
- Fiocruz, Fundacao Oswaldo Cruz, Rio de Janeiro, Brazil.

## 2010

- Mekong Basin Disease Surveillance (MBDS) Regional Forum, Louang Prabang, Lao PDR.
- World Health Organization – Western Pacific Region, Manila, The Philippines.

## 2011

- International Severe Acute Respiratory Infection Consortium (ISARIC) Workshop, Wellcome Trust, London, UK.
- 2nd Regional Workshop on Infectious Encephalitis, Institut Pasteur du Cambodge, Kingdom of Cambodia.
- Surveillance and Discovery in Respiratory and Other Emerging Infectious Diseases, Phnom Penh, Kingdom of Cambodia.
- Workshop on “Microbiology, Pathogenesis and Therapies for Pandemic Threats and Emerging Diseases”, Singapore.
- Scientific Conference on “120 Years for Control and Prevention of Communicable diseases”, Institut Pasteur of Saigon-Ho Chi Minh City, Vietnam.
- International Symposium on “Non-traditional security and Global collaboration and Networking”, Waseda University, Tokyo, Japan.

## 2012

- International Workshop on Infectious Encephalitis in South-East Asia, Phnom Penh, Kingdom of Cambodia.
- Keynote Lecture, 1st Scientific Council Meeting of the **International Severe Acute Respiratory Infections Consortium (ISARIC)**, Fondation Mérieux, Annecy, France.

## 2013

- Hong Kong Pharmacology Society, LKS Faculty of Medicine, Hong Kong.
- Keynote Lecture, Scientific Conference of Southern Preventive Medicine, Pasteur Institute of Ho Chi Minh City, Ho Chi Minh City, Vietnam.

## 2014

- The First Affiliated Hospital of Guanzhou Medical University, Guanzhou, PR China.

## 2015

- International Conference on Scientific Insight and Response of Ebola Virus Disease, Beijing, PR China.
- Oxford University/Mahidol Oxford Tropical Medicine Research Unit, Bangkok, Thailand.
- Global Health Risk Framework: A Workshop on Research and Development of Medical Products, Hong Kong SAR.
- City University of Hong Kong, Hong Kong SAR.

## 2016

- Mae Fah Luang University International Conference, Chiang Rai, Thailand.

**2017**

- Scientific Conference of Research for Public Health, Pasteur Institute of Ho Chi Min City, Vietnam.

**2019**

- Fourth International Conference on Tropical Medicine and Infectious Diseases, Kuala Lumpur, Malaysia.
- Outbreak Preparedness and Readiness in the Lancang Mekong Cooperation Region, Kunming, PR China.

**2020**

- ISARIC Member Assembly: Clinical Research Networks Addressing COVID-19 & Future Challenges, Fondation Mérieux, Annecy, France.
- Asia Society, Hong Kong, Hong Kong SAR.
- Institut Curie, Paris, France.
- BNP-Paribas, Hong Kong, Hong Kong SAR.

**2021**

- Istituto Pasteur – Italia, Rome, Italy.

## LIST OF PUBLICATIONS

### ARTICLES IN PUBMED

Google Scholar Citations = >14,500; h-index = 60 (April, 2022)

1. Delle Fave G, **Bruzzone R**, Annibale B, Severi C, De Toma G (1981) Neurotensin and the dumping syndrome. *Lancet* **1**(8231):1209.
2. Delle Fave G, Kohn A, de Magistris L, Annibale B, **Bruzzone R**, Sparvoli C, Severi C, Torsoli A (1983) Effect of bombesin on gastrin and gastric acid secretion in patients with duodenal ulcer. *Gut* **24**:231-235.
3. **Bruzzone R**, Tamburrano G, Lala A, Mauceri M, Annibale B, Severi C, de Magistris L, Leonetti F, Delle Fave G (1983) Effect of bombesin on plasma insulin, pancreatic glucagon and gut glucagon in man. *J Clin Endocrinol Metab* **56**:643-647.
4. **Bruzzone R**, Trimble ER, Gjinovci A, Renold AE (1984) Changes in content and secretion of pancreatic enzymes in the obese Zucker rat. *Biochem J* **219**:333-336.
5. **Bruzzone R**, Trimble ER, Gjinovci A, Renold AE (1984) Glucose-insulin interactions on exocrine secretion from the perfused rat pancreas. *Gastroenterology* **87**:1305-1312.
6. **Bruzzone R**, Halban PA, Gjinovci A, Trimble ER (1985) A new, rapid, method for preparation of dispersed pancreatic acini. *Biochem J* **226**:621-624.
7. Delle Fave G, Annibale B, de Magistris L, Severi C, **Bruzzone R**, Puoti M, Melchiorri P, Torsoli A, Erspamer V (1985) Bombesin effects on human GI functions. *Peptides* **6**(Suppl 3):113-116.
8. Trimble ER, **Bruzzone R** (1985) Abnormalities of caerulein- and carbamylcholine-stimulated pancreatic enzyme secretion in the obese Zucker rat. *Regul Pept* **11**:227-235.
9. Trimble ER, **Bruzzone R**, Gjinovci A, Renold AE (1985) Activity of the insulo-acinar axis in the isolated perfused rat pancreas. *Endocrinology* **117**:1246-1252.
10. Trimble ER, **Bruzzone R**, Herberg L (1986) Abnormalities of pancreatic exocrine function in obesity. Studies in the obese mouse. *Comp Biochem Physiol A* **83**:387-390.
11. **Bruzzone R**, Pozzan T, Wollheim CB (1986) Caerulein and carbamoylcholine stimulate pancreatic amylase release at resting cytosolic free  $Ca^{2+}$ . *Biochem J* **235**:139-143.
12. Trimble ER, **Bruzzone R**, Belin D (1986) Insulin resistance is accompanied by impairment of amylase-gene expression in the exocrine pancreas of the obese Zucker rat. *Biochem J* **237**:807-812.
13. **Bruzzone R**, Trimble ER, Gjinovci A, Renold AE (1986) Differences in pancreatic enzyme release from the ventral and dorsal areas of the rat pancreas. *Am J Physiol* **251**:G56-G63.

14. Meda P, **Bruzzone R**, Knodel S, Orci L (1986) Blockage of cell-to-cell communication within pancreatic acini is associated with increased basal release of amylase. *J Cell Biol* **103**:475-483.
15. Trimble ER, **Bruzzone R**, Biden TJ, Farese RV (1986) Secretin induces rapid increases in inositol trisphosphate, cytosolic Ca<sup>2+</sup> and diacylglycerol as well as cyclic AMP in rat pancreatic acini. *Biochem J* **239**:257-261.
16. Trimble ER, **Bruzzone R**, Meehan CJ, Biden TJ (1987) Rapid increases in inositol 1,4,5-trisphosphate, inositol 1,3,4,5-tetrakisphosphate and cytosolic free Ca<sup>2+</sup> in agonist-stimulated pancreatic acini of the rat. Effects of carbachol, caerulein and secretin. *Biochem J* **242**:289-292.
17. Trimble ER, Shaw C, **Bruzzone R**, Gjinovci A, Buchanan KD (1987) Direct stimulation of enzyme secretion from rat exocrine pancreas by neurotensin and its naturally occurring fragments. *Gastroenterology* **92**:699-703.
18. Trimble ER, **Bruzzone R**, Biden TJ, Meehan CJ, Andreu D, Merrifield RB (1987) Secretin stimulates cyclic AMP and inositol trisphosphate production in rat pancreatic acinar tissue by two fully independent mechanisms. *Proc Natl Acad Sci USA* **84**:3146-3150.
19. Meda P, **Bruzzone R**, Chanson M, Bosco D, Orci L (1987) Cell-to-cell coupling modulates secretion in the exocrine pancreas. *Proc Natl Acad Sci USA* **84**:4901-4904.
20. **Bruzzone R**, Trimble ER, Gjinovci A, Traub O, Willecke K, Meda P (1987) Regulation of pancreatic exocrine function: a role for cell-to-cell communication? *Pancreas* **2**:262-271.
21. Pittet D, Krause KH, Wollheim CB, **Bruzzone R**, LewDP (1987) Non selective inhibition of neutrophils functions by sphinganine. *J Biol Chem* **262**:10072-10076.
22. Bosco D, Chanson M, **Bruzzone R**, Meda P (1988) Visualization of amylase secretion from individual pancreatic acini. *Am J Physiol* **254**:G664-G670.
23. **Bruzzone R**, Regazzi R, Wollheim CB (1988) Caerulein causes translocation of protein kinase C without increasing cytosolic free Ca<sup>2+</sup>. *Am J Physiol* **255**:G33-G39.
24. Wollheim CB, Dunne MJ, Peter-Riesch B, **Bruzzone R**, Pozzan T, Petersen OH (1988) Activators of protein kinase C depolarize insulin-secreting cells by closing K<sup>+</sup> channels. *EMBO J* **7**:2443-2449.
25. Chanson M, **Bruzzone R**, Spray DC, Regazzi R, Meda P (1988) Cell uncoupling and protein kinase C: temporal correlation in a permanent cell line but not in a differentiated tissue. *Am J Physiol* **255**:C609-C704.
26. **Bruzzone R**, Meda P (1988) The gap junction: a channel for multiple functions? *Eur J Clin Invest* **18**:444-453.
27. Pralong WF, Wollheim CB, **Bruzzone R** (1988) Measurement of cytosolic free Ca<sup>2+</sup> in individual pancreatic acini. *FEBS Lett.* **242**:79-84.
28. **Bruzzone R.** (1989) Mechanism of action of bombesin on amylase secretion: evidence for a Ca<sup>2+</sup>-independent pathway. *Eur J Biochem* **179**, 323-331.

29. Chanson M, **Bruzzone R**, Bosco D, Meda P (1989) Effect of *n*-alcohols on junctional coupling and amylase release of pancreatic acinar cells. *J Cell Physiol* **139**:147-156.
30. Chanson M, Meda P, **Bruzzone R** (1989) Increase in pancreatic exocrine secretion during uncoupling: evidence for a protein kinase C-independent effect. *Exp Cell Res* **182**:349-357.
31. **Bruzzone R** (1990) The molecular basis of enzyme secretion. *Gastroenterology* **99**:1157-1176.
32. Haefliger JA, **Bruzzone R**, Jenkins NA, Gilbert DJ, Copeland NG, Paul DL (1992) Four novel members of the connexin family of gap junction proteins: Molecular cloning, expression and chromosome mapping. *J Biol Chem* **267**:2057-2064.
33. White TW, **Bruzzone R**, Goodenough DA, Paul DL (1992) Mouse Cx50, a functional member of the connexin family of gap junction proteins, is the lens fiber protein MP70. *Mol Biol Cell* **3**:711-720.
34. **Bruzzone R**, Haefliger JA, Gimlich RL, Paul DL (1993) Connexin40, a component of gap junctions in vascular endothelium, is restricted in its ability to interact with other connexins. *Mol Biol Cell* **4**:7-20.
35. **Bruzzone R**, White TW, Paul DL (1994) Expression of chimeric connexins reveals novel properties of the formation and gating behavior of gap junction channels. *J Cell Sci* **107**:955-967.
36. White TW, **Bruzzone R**, Wolfram S, Paul DL, Goodenough DA (1994) Selective interactions among the multiple connexin proteins expressed in the vertebrate lens. The second extracellular domain is a determinant of compatibility between connexins. *J Cell Biol* **125**:879-892.
37. White TW, **Bruzzone R**, Goodenough DA, Paul DL (1994) Voltage gating of connexins. *Nature* **371**:208-209.
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