

## CURRICULUM VITAE

### PERSONAL INFORMATIONS:

Domenico Bosco

Birth date : 13.11.1960, Avellino, Italy

Nationality: Swiss

Marital status : single

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### CURRENT POSITION:

Biologist, Cell Isolation and Transplantation Center, Department of Surgery, since 2001

Chargé d'Enseignement, Medical School, since 1998

### DIPLOMAS:

1985: Diploma in Biology (Institut of Histology and Embryology, Medical School, University of Geneva, Geneva)

1991: Ph.D. (Department of Morphology, Medical School, University of Geneva, Geneva )

### EDUCATION:

1981: Baccalaureat (Collège Rousseau, Geneva)

1985: Diploma in Biology (Institut of Histology and Embryology, Medical School, University of Geneva, Geneva)

1986-1991: Ph.D. (Department of Morphology, Medical School, University of Geneva, Geneva)

### RESEARCH POSITIONS:

1992-1997: Maître-assistant in the Department of Morphology (Medical School, University of Geneva, Geneva)

1997-2001: Maître-assistant in the Laboratoires de Recherche Louis-Jeantet (Medical School, University of Geneva, Geneva)

Since 2001: Biologist in the Laboratory of Cellular Transplantation, Department of Surgery (Geneva)

### TEACHING APPOINTMENTS:

Since 1986: Practicals and courses in histology and embryology, for medical students of University of Geneva

Since 1999: Person in charge for the organisation of the "Cranio-Facial Unit" organized for medical students in the University of Geneva

Since 2008: Courses on epithelia, for medical students of University of Geneva

## PUBLICATIONS:

### Peer reviews

IF = Impact Factor

- Huarte J., Belin D., Bosco D., Sappino A.-P. and Vassalli J.-D. Plasminogen activator and mouse spermatozoa: urokinase synthesis in the male genital tract and binding of the enzyme to the sperm cell surface. *J. Cell Biol.* (1987) 104, 1281-1289. IF 12.023.
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- Bosco D., Chanson M., Bruzzone R. and Meda P. Visualization of amylase secretion from individual pancreatic acini. *Am. J. Physiol.* (1988) 254, G664-G670. IF 3.421.
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- Soria B., Chanson M., Giordano E., Bosco D., and Meda P. Ion channels of glucose-responsive and unresponsive B-cells. *Diabetes* (1991) 40, 1069-1078. IF 8.298.
- Vassalli J.-D., Huarte J., Bosco D., Sappino A.-P., Sappino N., Velardi A., Wohlwend A., Erno H., Monard D. and Belin D. Protease-nexin I as an androgen-dependent secretory product of the murine seminal vesicle. *EMBO J.* (1993) 12, 1871-1878. IF 10.456.
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- Bosco D., Soriano J.V., Chanson M. and Meda P. Heterogeneity and contact-dependent regulation of amylase release by individual acinar cells. *J. Cell. Physiol.* (1994) 160, 378-388. IF 5.463.
- Bosco D., Meda P., Thorens B. and Malaisse W. J. Heterogenous secretion of individual B cells in response to D-glucose and to nonglucidic secretagogues. *Am. J. Physiol.* (1995) 268, C611-C618. IF 4.103.
- Thorens B., Dériaz N., Bosco D., DeVos A., Pipeleers D., Schuit F., Meda P. and Porret A. Protein kinase A-dependent phosphorylation of GLUT2 in pancreatic cells. *J. Biol. Chem.* (1996) 271, 8075-8081. IF 6.482.
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- Toso C., Morel P., Bucher P., Shapiro J., Mathe Z., Demuylder-Mischler S., Bosco D., Berney T., Philippe J. and Oberholzer J. Insulin independence after conversion to tacrolimus and sirolimus-based immunosuppression in islet-kidney recipients. *Transplantation* (2003) 76: 1133-1134. IF 3.608.
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- Parnaud G., Hammar E.B., Rouiller D.G., Armanet M., Halban P.A. and Bosco D. Blockade of integrin beta1-laminin-5 interaction affects spreading and insulin secretion of rat beta-cells attached on extracellular matrix. *Diabetes* (2006) 55: 1413-14-20. IF 8.298.
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- Mathe Z., Dupraz P., Rinsch C., Thorens B., Bosco D., Zbinden M., Morel P., Berney T. and Pepper M.S.. Tetracycline-regulated expression of VEGF-A in beta cells induces angiogenesis: improvement of engraftment following transplantation. *Cell Transplant.* (2006) 15: 621-636. IF 3.482.
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- Baertschiger R.M., Bosco D, Morel P., Serre-Beinier V., Berney T., Buhler L.H. and Gonelle-Gispert C. Mesenchymal stem cells derived from human exocrine pancreas express transcription factors implicated in beta-cell development. *Pancreas* (2008) 37: 75-84. IF 2.300.
- Wojtuszczyzn A., Armanet M., Morel P., Berney T. and Bosco D. Insulin secretion from human beta-cells is heterogeneous and dependent on cell-to-cell contacts. *Diabetologia* (2008) 51:1843-1852. IF 5.822.
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#### Articles de revues

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- Meda P. and Bosco D. Communication of islet cells: molecules and functions. In "Molecular Basis of Pancreas Development and Function", Habener JF and Hussain MA, Eds, (2001) pp. 143-163, Kluger Academic Publishers, Norwell.
- Berney T., Mathe Z., Bucher P., Andres A., Bosco D., Toso C., Bühler L. et Morel P. Autotransplantation d'îlots de Langerhans pour la prevention du diabète après resection pancréatique étendue. *Médecine et Hygiène* (2003) 2442, pp. 1313-1318.
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#### Abstracts

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