

## CURRICULUM VITAE

**Per-Ola Carlsson, MD, PhD**

### POSITIONS

- 1995-1998 PhD Student, Dept. of Medical Cell Biology, Uppsala University  
1998-2001 Internship combined with a Postdoc Research Fellowship,  
Uppsala University Hospital and Uppsala University  
2001-2002 Researcher at Uppsala University  
2002-2008 Researcher combined with a Residency in Diabetology/Endocrinology at Uppsala  
University Hospital  
2008-present Specialist in Internal Medicine, Section for Endocrinology and Diabetology, Uppsala  
University Hospital

### EDUCATION

- 2002 Associate Professor in Medical Cell Biology, Uppsala University  
2001 Licensed Physician, Uppsala University Hospital  
1998 PhD in Medical Sciences, Uppsala University  
Thesis title: *Microcirculation in native and transplanted rodent pancreatic islets with special reference to the influence of diabetes mellitus*. Faculty Opponent: Professor Daniel G Pipeleers, Vrije Universiteit, Brussels, Belgium

### HONORS

- Grant to most promising young scientist at the Medical Faculty, Uppsala University, 2004-2005
- Elected Rising Star – to most promising scientist in diabetes research below 35 years of age in Europe, European Association for the Study of Diabetes, Athens, 2005
- Invited plenary lecture at the 10th World Congress of the International Pancreas and Islet Transplant Association, Geneva, Switzerland, 2005
- Invited plenary lecture at the 35<sup>th</sup> Scandinavian Laboratory Animal Sciences Forum, Uppsala, Sweden, 2005
- Invited plenary lecture at the Annual Meeting for the European Association for the Study of Diabetes, Athens, 2005
- Invited plenary lecture at the post-EASD Islet Study Group symposium, Brussels, 2007
- Invited plenary lecture at the 8<sup>th</sup> Levine Symposium, City of Hope, Newport Beach, California, 2008
- Invited plenary lecture at the AIDPIT Meeting in Igls, Austria, 2008
- Invited lecture at the EFSD/JDRF/Novo Nordisk symposium, Copenhagen, April, 2008
- Member of the organising committee for the Annual Meeting of the Scandinavian Society for the Study of Diabetes, Uppsala, Sweden, 2001
- Member of the organising committee for the Annual Meeting of the International Society on Oxygen Transport to Tissue, Uppsala, Sweden, 2007

### RESEARCH FIELD AND INTERESTS

1. Pancreatic islet function and metabolism
2. Pancreatic islets and their vasculature
3. Pancreatic islet transplantation

### SELECTED WORK

1. Carlsson P-O, Jansson L, Östenson C-G and Källskog Ö. Islet capillary blood pressure increase mediated by hyperglycemia in NIDDM GK rats. *Diabetes* 46: 947-952, 1997
2. Carlsson P-O, Berne C and Jansson L. Angiotensin II and the endocrine pancreas: effects on islet blood flow and insulin secretion in rats. *Diabetologia* 41: 127-133, 1998

3. Carlsson P-O, Liss P, Andersson A and Jansson L. Measurements of oxygen tension in native and transplanted rat pancreatic islets. *Diabetes* 47:1027-1032, 1998
4. Carlsson P-O, Jansson L, Andersson A and Källskog Ö. Capillary blood pressure in syngeneic rat islets transplanted under the renal capsule is similar to that of the implantation organ. *Diabetes* 47:1586-1593, 1998
5. Carlsson P-O, Flodström F and Sandler S. Islet blood flow in multiple low dose streptozotocin-treated wild-type and inducible nitric oxide synthase-deficient mice. *Endocrinology* 141:2752-2757, 2000
6. Carlsson P-O, Palm F, Andersson A and Liss P. Markedly decreased oxygen tension in transplanted rat pancreatic islets irrespective of the implantation site. *Diabetes* 50:489-495, 2001
7. Bergsten P, Westerlund J, Liss P and Carlsson P-O. Primary in vivo oscillations of metabolism in the pancreas. *Diabetes* 51:699-703, 2002
8. Mattsson G, Jansson L and Carlsson PO. Decreased vascular density in mouse pancreatic islets after transplantation. *Diabetes* 51:1362-1366, 2002
9. Carlsson P-O, Palm F and Mattsson G. Low revascularization of experimentally transplanted human pancreatic islets. *J Clin Endocrinol Metab* 87:5418-5423, 2002
10. Mattsson G, Jansson L, Nordin A, Andersson A and Carlsson P-O. Evidence of functional impairment of syngeneically transplanted mouse pancreatic islets retrieved from the liver. *Diabetes* 53:948-954, 2004
11. Johansson M, Mattsson G, Andersson A, Jansson L and Carlsson P-O. Islet endothelial cells and pancreatic beta-cell proliferation: studies in vitro and during pregnancy in adult rats. *Endocrinology* 147:2315-2324, 2006
12. Lau J, Mattsson G, Carlsson C, Nyqvist D, Köhler M, Berggren P-O, Jansson L and Carlsson P-O. Implantation-site dependent dysfunction of transplanted pancreatic islets. *Diabetes* 56:1544-1550, 2007
13. Olerud J, Johansson M, Lawler J, Welsh N and Carlsson P-O. Improved vascular engraftment and graft function following inhibition of the angiostatic factor thrombospondin-1 in mouse pancreatic islets for transplantation. *Diabetes* 57:1870-1877, 2008

### **SCIENTIFIC PUBLICATIONS**

90 published original articles within the fields of diabetology and islet physiology