

**CURRICULUM VITAE**  
Åke Lernmark

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## CURRICULUM VITAE

Åke Lernmark

September 3, 2009

### 1. Personal Data:

Address: University of Washington  
R. H. Williams Laboratory  
Box 357710  
Seattle, WA 98195-7710

Phone: 206-543-5316

Fax: 206-543-3169

Date of Birth: August 11, 1945

Place of Birth: Stockholm, Sweden

Dual Citizenship: Citizen of Sweden  
Citizen of the United States

### 2. Education:

1966 University of Umeå, Umeå, Sweden, Candidate of Dentistry, December 1966.

1967-69 University of Umeå, Candidate of Medicine, June 1969.

1969 University of Umeå, completed exams in Bacteriology, Pharmacology, and Pathology for the licentiate of medicine (M.D.), June 1970.

1971 University of Umeå, Doctor of Medicine (Dr.Med.), December 1971.

1972 Docent in Histology, University of Umeå, January 1972.

### 3. Postgraduate Training:

1974-75 Visiting Scientist Department of Biochemistry, University of Chicago

### 4. Faculty Positions Held:

1968-70 Instructor, Department of Histology, University of Umeå.

1970-73 Research Associate, Department of Histology, University of Umeå.

1973-79 Assistant Professor (Docent) of Histology, University of Umeå.

1977-78 Visiting Assistant Professor, Department of Biochemistry, and the University of Chicago Diabetes Research and Training Center, University of Chicago.

1979-87 Director of Research, Hagedorn Research Laboratory, Gentofte, Denmark.

1988-92 Robert H. Williams Professor in Medicine, Department of Medicine, University of Washington, Seattle, Washington, USA

1993-94 Professor of Experimental Endocrinology, Department of Molecular Medicine (Chairman), Karolinska Institute, Stockholm, Sweden

1995 -08 Robert H. Williams Professor in Medicine, Department of Medicine, University of Washington, Seattle, Washington, USA

2009- Professor of Experimental Diabetes, Department of Clinical Sciences, Lund University, Malmö, Sweden.

### 5. Hospital and Other Positions Held:

1984 -89 Adjunct Professor of Medical Cell Biology, University of Lund, Lund, Sweden.

1989-91 Professor in Diabetes Research, University of Lund, Malmö General Hospital (leave of absence)

1991-93 Adjunct Professor, Department of Pathology, University of Washington, Seattle, Washington, USA

1993-94 Affiliate Professor, University of Washington, Department of Medicine, Seattle, Washington, USA

1990-00 Visiting Professor, Vrije Universiteit Brussel, Belgium

- 1995-07 Adjunct Professor, Department of Immunology, University of Washington, Seattle, Washington, USA  
1995-01 Adjunct Professor, Experimental Endocrinology, Department of Molecular Medicine, Karolinska Institute, Stockholm, Sweden  
1997- Member of the Graduate Faculty, University of Washington, Seattle, Washington  
1998-2005 Adjunct Professor, Department of Endocrinology, Lund University, Malmö, Sweden  
2006-2008 Adjunct Professor, Department of Clinical Sciences, Lund University, Malmö, Sweden.

**6. Honors:**

- 1974 CIBA Fellow of the Swedish Society of Endocrinology  
1982 C.G. Bergstrand Lecturer of the Swedish Pediatric Society  
1984 Minkowski Award of the European Association for the Study of Diabetes (EASD)  
1985 C.C. Sturgis Visiting Professor at the University of Michigan Medical School  
David Rumbough Award of the Juvenile Diabetes Foundation International  
Kellion Medal of the Australian Diabetes Foundation  
Paul E. Lacy Award of the National Diabetes Research Interchange  
1986 E.F.F. Copp Lecturer of the California Metabolic Research Foundation and Los Angeles County Medical Association  
Nordisk Lecturer of McGill University  
Pehr Dubb Lecturer of the Göteborgs Läkaresällskap  
1989- American Society for Clinical Investigation  
1991 Jacob E. Poulsen Grant of the Scandinavian Society for the Study of Diabetes  
1992- Association of American Physicians  
1993 Arnold Lazarow Memorial Lecture (18th), University of Minnesota  
1994 David Pyke Professor of King's College, London, UK  
1995 API-Novo Nordisk Lecturer, Madras, India  
1996 Kroc Lecture, Baylor College, Houston, TX  
1998 Dorothy Hodgkin Lecturer, British Diabetes Association  
1999 John K. Davidson Diabetes Lectureship, Emory University, Atlanta, GA  
2002 Hamdan Award for Medical Science Excellence, Dubai, United Arab Emirates  
2002 18th Annual J. Allyn Taylor International Prize in Medicine - London, Ontario, Canada  
2006 The 7<sup>th</sup> Annual Langerhans-Virchow Lecture, Pacific Northwest Research Institute, Seattle, WA  
2007 Hillblom Visiting Professor, UCLA, Los Angeles, CA  
2007 Enz Visiting Professor, University of Kansas, Lawrence, KS.  
2008 Fellow of the American College of Physicians (FACP)

**7. Board Certification:** Not applicable

**8. Current Licenses to Practice:** Not applicable

**9. Professional Organizations:**

- 1970- European Association for the Study of Diabetes, Honorary Secretary 1986-1988  
1986-89 Swedish Endocrine Society, Member of the Board  
1988-91 Immunology and Diabetes Workshops (Chairman 1989-91)  
1979- American Diabetes Association  
1969- Scandinavian Society for the Study of Diabetes  
1980- American Association for the Advancement of Science  
1981- Danish Academy of Natural Sciences  
1992- Juvenile Diabetes Foundation International  
1996- Immunology of Diabetes Society (President 1996-1998)  
2001- Association of American Immunologists  
2002- The Royal Physiographic Society in Lund

**10. Teaching Responsibilities**

**Students and Fellows**

**a-b. Predoctoral, postdoctoral students and fellows:**

<b>Past Students</b>	<b>Pre/Post Doc</b>	<b>Training Period</b>	<b>Graduate Degree</b>	<b>Year</b>	<b>Education Institution</b>	<b>Current Position</b>
T. Dyrberg	Pre	1979-81	Ph.D.	1981	U. Copenhagen	Researcher, Novo Nordisk
S. Baekkeskov	Post	1979-82	Ph.D.	1984	U. Copenhagen	Prof., UCSF
O.D. Madsen	Pre	1983-85	Ph.D.	1985	U. Copenhagen	Dir., Hagedorn Res Inst
H. Kofod	Pre	1979-92	Dr. Lic	1992	U. Copenhagen	Prof., U Copenhagen
M. Landin-Olsson	Pre	1983-90	Dr. Med. Sci.	1990	U. Lund	Prof. Med., U. Lund
A.E. Karlsen	Pre	1984-88	Cand. Scient.	1988	U. Copenhagen	Researcher, Novo Nordisk
M. Christie	Post	1985-87	Ph.D.	1981	Oxford Univ.	Lecturer, King's College, London
I. Matsuba	Post	1985-86	M.D., Ph.D.	1982	Jikei Univ.	Prof., Jikei U., Tokyo
K.C. Herold	Post	1987	M.D.	1983	U. Penn	Assoc Prof. U. of Columbia
B. Herold	Post	1987	M.D.	1984	U. Penn	Asst. Prof., Mt. Sinai School of Medicine
H. Barmeier	Post	1988-91	M.D.	1986	U. Frankfurt	Asst. Prof. Klinik Mit Poliklinik, Germany
R. Wassmuth	Post	1988-91	M.D.	1985	U. Geissen	Asst. Prof Erlangen Nurenberg, Germany
H. Markholst	Post	1988-89	M.D.	1982	U. Copenhagen	Hagedorn Res. Institute, Denmark
WA Hagopian	Post	1989-93	M.D., Ph.D.	1987	U. Chicago	Clinical Asst. Prof, UW
CB Sanjeevi	Pre	1990-94	Dr. Med. Sci.	1994	Karolinska Institute	Assoc Prof, Karolinska Inst.
I. Kockum	Pre	1990-95	Dr. Med. Sci.	1995	Karolinska Institute	Assoc Prof, Karolinska Inst.
A. Pettersson	Pre	1991-95	Dr. Med. Sci.	1995	Karolinska Institute	Global Competitiveness Corp.
A. Falorni	Post	1991-95	M.D., Ph.D.	1988	U. Perugia	Professor, U. Perugia
E. Örtqvist	Pre	1991-01	M.D., Ph.D.	2001	Karolinska Institute	Head of Diabetes, Karolinska Hospital
L. Li	Post	1991-93	M.D.	1988	Beijing U.	Professor, Beijing U.
S. Beig	Post	1994-98	Ph.D.	1992	U. Ulm	Giessen U, Germany
P. Lundgren	Post	1997-98	Ph.D.	1996	Umeå U.	Assoc Prof Umeå U.
W. Woo	Post	1996-98	M.D., Ph.D.	1999	Emory U.	Private Practice, Albany, GA
D. Schranz	Post	1995-99	Ph.D.	1993	Acad. Med.	Private Industry
A. Plesner	Pre	1996-00	Ph.D.	2000	U. Copenhagen	Postdoc, BC Res Inst., Vancouver, BC
E. Novak	Pre	1997-00	M.D., Ph.D.	2000	UW	Resident, Orthopedic Surgery, UCSF
CH Chung	Post	1999-00	M.D., Ph.D.	1992	Yonsei U.	Postdoc
O. Rolandsson	Pre	1994-2001	M.D., Ph.D.	2001	Umeå University	Assoc. Prof., Family Med Umeå University
S. Chessler	Post	1997-00	M.D., Ph.D.	1993,	UW	Assoc. Prof, UCSD
C. Hampe	Post	1997-00	Ph.D.	1997	Weizmann Inst.	Res Asst. Prof, UW

					Of Science, Israel	
R. Ettinger	Post	1999-01	Ph.D.	1994	U Wisconsin	Res Scientist, Puget Sound Blood Center
R. Lowe	Pre	1995-02	M.D., Ph.D.	2002	UW	Private Practice
A. MacMurray	Post	1999-03	Ph.D.	1999	MIT	Private Industry
D. Moralejo	Post	1999-05	Ph.D.	1998	U of Tokushima, Japan	Asst Prof, UW
D. Luo	Post	1999-05	Ph.D.	1992	U Geissen, Germany	Private Industry
L. K. Gilliam	Post	2001-05	M.D., Ph.D.		Duke Univ	Acting Instructor, UW
M. Bogdani	Post	2006	M.D., Ph.D.	2005	Vrije U, Brussels, Belgium	Senior Scientist, NW Diabetes Research Inst.
S. Bensing	Pre	1993-07	M.D., Ph.D.	2005	Karolinska Inst.	Resident, Karolinska Hospital
D. Agardh	Pre	2000-06	M.D., Ph.D.	2006	Lund University	Pediatrics, University Hospital MAS, Malmö
M. Elfving	Pre	1999-07	M.D., Ph.D.	2007	Lund University	Pediatrics, Lund University Hospital, Lund
H.E. Larsson	Pre	2004-2008	M.D., Ph.D.	2008	Lund University	Pediatrics, University Hospital MAS
L. Åkesson	Post	2006-	Ph.D.	2005	Lund University	University Hospital MAS
M. Fex	Post	2007-	Ph.D.	2006	Lund University	University Hospital MAS
C. Törn	Post	2006-	Ph.D.	2001	Lund University	University Hospital MAS
F. Vaziri Sani	Post	2008-	Ph.D.	2007	Lund University	University Hospital MAS
A. Delli	Pre	2008-	M.D.	2005	Bagdad University	University Hospital MAS
D. La Torre	Pre	2009	M.D.	2006	Univ of Rome	University Hospital MAS

**c. Undergraduate students, interns and graduate rotations:**

NAME	YEAR	DEGREE	INSTITUTION/SCHOOL	TITLE OF PROJECT
Anna Niläng	1996, (March-May)	Master's	Göteborg University College of Health and Caring Sciences	Research on GAD antibodies.
Åsa Toll	1996, (March-May)	Master's	Göteborg University College of Health and Caring Sciences	Research on GAD antibodies.

Jerker Sjöström	1996 (May-June)	Med.Student	Lund University	Research project on GAD antibodies.
Katarina Siewicka,	1998 (April-July)	Med.Student	Karolinska Institute	GAD65 contents in virus Infected human islets.
Malin Höper	1999 (Feb-April)	Master's	Göteborg University College of Health and Caring Sciences	GAD65 antibody epitopes.
Pernilla Lundgren	1999 (Feb-April)	Master's	Göteborg University and Caring Sciences	College of Health
Sonja Hellström			Linköping University	
Majvi Månsson			University Hospital of Malmö	
Kicki Edwardsson			Karolinska Hospital, Stockhom, Sweden	
Carina Törn			University Hospital, University of Lund, Sweden	
Sabine Kral	1999	Bachelor student	Univ. Vienna	
Lisa Månsson	2000	Med. Student	University of Lund	GAD antibody epitopes
Sara Cabbage	2000	Grad. Student	University of Washington	
Anna-Karin Gefvert	2000	Med. Student	University of Lund	GAD antibodies in newborns
Carl-Oscar Jonsson	2002	Grad. Student	Linköping University	Diabetes genes

**d. Graduate Student Advisor:**

DATE	NAME	DEGREE	DATE	INSTITUTE	PROJECT
05/97	Jinko Graham	Ph.D.	1998	U. of Washington	Biology
05/97	Brad McNeney	Ph.D.	1998	U. of Washington	Biology
03/00	Anne-Louise Leutenegger	Ph.D.	2001	U. of Washington	Biology
03/00	Clarissa Dirks	Ph.D.	2002	U. of Washington	Faculty Representative
02/03	Andrea Carroll	Ph.D.	2003	U. of Washington	Chemistry
10/00	Carol O'Hear	Ph.D.	2005	U. of Washington	MCB
03/02	Sarah Cabbage	Ph.D.	2006	U. of Washington	Immunology
11/03	Wai Kam Lam-Tse	Ph.D.	2003	Erasmus MC	Immunology
01/20	Roman Kosoy	Ph.D.	2007	U. Washington	Immunology
01/08	Vinod Sommandas	Ph.D.	2008	Erasmus MC, Rotterdam, NL	Immunology

**e. Graduate Student Advisory Committees**

Date	Name
1995-96	Linsong Li
2000-04	Carol O'Hear
2002-03	Andrea Carroll
2003	Chao Wu
2003-	Roman Kosay
2004	Åsa Wendt

**f. Undergraduate student research**

STUDENT NAME	TRAINING PERIOD	DEGREE	YEAR	INSTITUTION	CURRENT POSITION
Jill Beck		M.D.		U. of Washington	Physician
Greg Sund		B.S.	1997	U. of Washington	Medical School
Edmond Lee	1/96-6/98	B.S.	1997	U. of Washington	Medical School
Lindy Klaff	2/97-4/98	B.S.	1998	U. of Washington	Medical School
Kara Wulfestieg	1/97-9/98	B.S.	1998	U. of Washington	Graduate School
Sara Speros	6/98-9/01	B.S.	1999	U. of Washington	Graduate School
Will Simonson	1/97-9/01	B.S.	2000	U. of Washington	Medical School
Marjan Zarghami	3/99-9/02	B.S.	2001	U. of Washington	Medical School
Emilyn Alejandro	9/99 -9/02	B.S.	2002	U. of Washington	Graduate School
Wen Lu	03/02-6/05	B.S.	2005	U. of Washington	Graduate School
Chad Rogers	12/01-6/05	B.S.	2005	U. of Washington	Graduate School
Phil Yen	08/27-9/04	B.S.	2004	U. of Washington	Medical School
Katherine Binder	1/01-12/04	B.S.	2004	U. of Washington	Medical School
Chad Rogers	12/01-6/05	B.S.	2005	U. of Washington	Graduate School
Mark Tenforde	4/03-6/05	B.S.	2005	U. of Washington	Medical School
Ranae Pefley	03/05-12/06	B.S.	2006	U. of Washington	Peace Corps
Sahar Manavi	12/04- 1/07	B.S.	2007	U. of Washington	Medical School
Paul Algeo	3/06- 6/07	B.S.	2007	U. of Washington	Pharmaceutical School

**g. External Examinations**

05/72 Kjell Asplund, University of Uppsala, Sweden  
 04/85 Anders Hallberg, University of Uppsala, Sweden  
 06/86 Nils Welsh, University of Uppsala, Sweden  
 09/88 Stig Gammeltoft, University of Copenhagen, Denmark  
 06/92 Len Harrison, University of Melbourne, Australia  
 05/94 Helena Reijonen, University of Turku, Finland  
 05/95 Bart Keymuhlen, Vrije Universiteit, Brussels, Belgium  
 03/97 Fleming Pociot, University of Copenhagen, Denmark  
 07/99 Casey Fox, University of Toronto, Canada  
 10/99 Ingegård Andersson, University of Umeå, Sweden  
 10/00 Åsa Jansson, Karolinska Institute, Stockholm, Sweden  
 11/03 Lam-Tse, Erasmus University, Rotterdam, Holland  
 02/04 Stefan Johansson, Oslo University, Oslo, Norway  
 06/04 Thomas Sparre, University of Copenhagen, Denmark  
 9/05 Hanna Viskari, University of Tampere, Finland.  
 12/05 Faten Ismail, M.S. Thesis, Universityhospital MAS, Malmö, Sweden.  
 12/05 Minal Desai, University of Oxford, U.K.  
 10/06 Robert Hägerkvist, Uppsala University, Sweden  
 10/07 Tarvo Rajasalu, University of Tartu, Tartu, Estonia

**h. Visiting scientists:**

Michael Steffes, M.D., Ph.D., 1979-80  
 Alex Rabinovitch, M.D., Ph.D., 1982-83  
 Armandina (Dina) Garza, CCRA. 1999 Baylor College of Medicine, Houston  
 Eva Örtqvist, M.D., 1999, Karolinska Institute, Stockholm, Sweden  
 Olov Rolandson, M.D., 1998, 1999, 2000 University of Umeå, Sweden  
 Hemmo Drexhage, M.D., Ph.D. 2002-2003, Erasmus University, The Netherlands  
 Philippe Poussier, Ph.D., 2002, Sunnybrook and Women's College Health Science Centre  
 Raivo Uiibo, M.D., Ph.D., 2008, Tartu University, Tartu, Estonia

**11. Editorial Responsibilities:**

- 1982-89 *Diabetes*, Editorial Board
- 1984-89 *Diabetes Research*, Editorial Board
- 1989-94 *Diabetologia*, Associate Editor
- 1990-99 *Regional Immunology*, Editorial Board
- 1998-02 *J. Clinical Investigation*, Editorial Advisory Board
- 1996-03 *Hormone and Metabolic Research*, Co-Editor-In Chief
- 1989-06 *Diabetes Research and Clinical Practice*, Editorial Board
- 2000-06 *Diabetes Technology & Therapeutics*, Editorial Board
- 2002- *Autoimmunity*, Advisory Board
- 2006- *Endocrine Reviews*, Editorial Board

## 12. Special National Responsibilities:

- 1979 National Conference on Diabetes: Current Status and Future Directions, Reston, Virginia
- 1981 The NIH Diabetes Coordinating Committee Task Force on Animal Models Appropriate for Research on Human Diabetes Mellitus and its Complications, Bethesda, Maryland
- 1981-84 Juvenile Diabetes Foundation Medical Science Review Committee, Member
- 1983 Programme Committee for the 19th Annual Meeting of the European Association for the Study of Diabetes, Oslo, Norway, Member
- 1983 Workshop on Etiology and Pathogenesis of Insulin-dependent Diabetes Mellitus at the National Diabetes Advisory Board Second National Conference on Diabetes, Reston, Virginia, Co-Chairman
- 1984 Programme Committee for the 20th Annual Meeting of the European Association for the Study of Diabetes, London, U.K.
- 1985-90 Advisory Council of the Diabetes Treatment Centers of America Foundation, Member
- 1988 Second World Conference on Diabetes, Monte Carlo, Scientific Co-Chairperson
- 1988-91 Committee on Research Review, American Diabetes Association, Chairman, 1990-91
- 1988-91 Immunology of Diabetes Workshops, Co-Chairman
- 1988- Human Biological Data Interchange, (HBDI), Co-chairman
- 1989-92 National Institutes of Health Reviewers Reserve
- 1990-92 Joslin Diabetes Research Center, Advisor
- 1991 Immunology and Diabetes Workshop, Nagasaki, Japan, Co-Chairman
- 1992 Third World Conference on Diabetes, Monte Carlo, Scientific Co-Chairperson
- 1993 Immunology and Diabetes Workshop, Orlando, Florida, Co-Chairman
- 1993-98 Barbara Davis Diabetes Center, Denver, Colorado, Scientific Advisor
- 1995 Special Experimental Immunology Study Section, NIH, March
- 1995 Metabolism Study Section, Special Reviewer, June
- 1996 The Capitol Summit on Diabetes Research 1996, The Senate Caucus
- 1996 Metabolism Study Section, Special Reviewer, June
- 1996 Biological and Physiological Sciences Special Emphasis Panel, October
- 1997- American Diabetes Association, Research Grant Review Panel
- 1997 Immunology Study Section, June
- 1997 External review for professorship in Medical Genetics, Gothenburgh University
- 1997 NIH Conference Diabetes Mellitus: Challenges and Opportunities, Co-chairman of Type 1 diabetes Workgroup, September
- 1997 NIH-Metabolism Study Section, October
- 1997-00 American Diabetes Association Research Grant Review Panel
- 1998 NDRI Conference Frontiers in Human Tissue Research, April
- 1998 NIH-Metabolism Study Section, July
- 1999 NIH-Special Emphasis Panel, Chair, March
- 1999 NIH -Special Emphasis Panel, Chair, July
- 1999 NIH-NIDDK Review, July
- 1999 DHHS, NIH Nutritional and Metabolic Sciences Initial Review Group Special Emphasis Panel, Chair, August
- 1999 University of Alaska Fairbanks. Native Health Research Center, Advisory Panel, August



- 1999 NIH Conference Co-Chair Gene Therapy Approaches for Diabetes and It's Complications, Rockville, MD, November
- 2000 NIH - Metabolism Study Section - February
- 2000-02 Juvenile Diabetes Foundation International, Medical Science Review Committee
- 2001 NIH/NIDDK Special Emphasis Panel, Chair - January
- 2001 NIH Metabolism Study Section - February
- 2001 NIH/Allergy and Infectious Disease, Special Emphasis Panel, Bethesda, MD, June 7-8, 2001
- 2001-03 NDRI, National Disease Resource Center, Board Member
- 2002 NIH/NIDDK Advisory Meeting, Bethesda, MD, May 16, 2002
- 2002 NIH Symposium "Autoantibodies as Predictors of Disease", Chair - September 12-13, 2002
- 2003 NIH/ZRGI SSS-T-10 Study Section, July 1, 2003.
- 2003-07 NIH/NIDDK/NIAID/NICHHD Data and Safety Monitoring Board, Chair
- 2003- NIDDK-TRIGR Data and Safety Monitoring Board, Member
- 2006 NIH/NIDDK Special Emphasis Panel, Bethesda, MD, October 26, 2006
- 2009 NIH/NIAID Autoimmune Centers of Excellence Review, Jan 6, 2009

**13. Special Local Responsibilities:**

- 1996-98 Juvenile Diabetes Foundation, Seattle Chapter, Medical Advisory Board
- 1996-98 Faculty Senate, University of Washington
- 1997-00 Council on Scientific Affairs, University of Washington
- 1999-02 Medical School Committee on Admissions, University of Washington
- 2001 Diabetes Support Group, Kitsap County, WA, March 8, 2001
- 2001-02 Council on Scientific Affairs, University of Washington
- 1997-04 Pacific Northwest Research Institute, Board of Trustees
- 2004-06 UW Intellectual Property Management Advisory Committee (IPMAC)
- 2005-09 Chair, Diabetes Awareness Day, Symposium Planning and Scientific Committee.
- 2007 Chair, State-of-the Art: Moderator, Swedish Society for Diabetology, October 19<sup>th</sup>, 2007

**14. Current and Pending Funding**

AGENCY	TITLE	DIRECT COSTS PER YEAR	DATES OF ENTIRE GRANT
<b>Current</b>			
1U01 DK063861	The Environmental Triggers of Diabetes (TEDDY) in Sweden	\$951,565	09/01/08-06/30/13
P01-AI042380-13	Genetic control of BB rat autoimmunity	\$????????	07/01/05-01/31/10
P01 DK053004-08	Immunogenetics of Human Diabetes	\$715,561	07/15/05-06/30/09

	Program Director, P.I. Proj 2 and Core A		
R01-DK26190-22	Islet cell membrane antibodies in diabetes.	\$205,000	04/01/06-02/28/11
<b>Pending</b>			
P01-AI042380-??	Genetic Control of BB Rat Autoimmunity	\$ ????????	02/01/10 - 01/31/15

## 15. Bibliography

### a. Peer Reviewed Publications of Original Work

- Lernmark Å. Effekten av gastrin på insulinfrisättningen från isolerade Langerhanska öar. *Läkartidningen* 65:3614-3615, 1968.
- Lernmark Å, Hellman B. The  $\beta$ -cell capacity for insulin secretion in microdissected pancreatic islets from obese-hyperglycemic mice. *Life Sciences* 8:53-59, 1969.
- Hellman B, Lernmark Å. Evidence for an inhibitor of insulin release in the pancreatic islets. *Diabetologia* 5:22-24, 1969.
- Lernmark Å, Hellman B, Coore HG. Effects of gastrin on the release of insulin *in vitro*. *J Endocrinol* 43:371-375, 1969.
- Boquist L, Lernmark Å. Effects on the endocrine pancreas in Chinese hamsters fed zinc deficient diets. *Acta Path Microbiol Scand* 76:215-228, 1969.
- Hellman B, Lernmark Å. Inhibition of the *in vitro* secretion of insulin by an extract of pancreatic  $\alpha_1$ -cells. *Endocrinology* 84:1484-1488, 1969.
- Hellman B, Idahl L-Å, Tjälve H, Danielsson Å, Lernmark Å. Beobachtungen zum Wirkungsmechanismus des hypoglykämisch wirksamen Sulfonylharnstoff-Präparates HB 419. *Arzneimittel-forschung* 19:1472-1476, 1969.
- Lernmark Å, Hellman B. Effect of epinephrine and mannoheptulose on the early and late phases of glucose-stimulated insulin release. *Metabolism* 19:614-618, 1970.
- Lernmark Å. The significance of 5-hydroxytryptamine for insulin secretion in the mouse. *Horm Metab Res* 3:305-309, 1971.
- Hellman B, Lernmark Å. Visualization in freeze-dried tissue sections of structures to be studied by quantitative histochemistry. *J Histochem Cytochem* 19:186-191, 1971.
- Christensen HN, Hellman B, Lernmark Å, Sehlin J, Tager HS, Täljedal I-B. *In vitro* stimulation of insulin release by non-metabolizable, transport-specific amino acids. *Biochim Biophys Acta* 241:341-348, 1971.
- Andersson H, Dotevall G, Gillberg R, Halvorsen L, Kock NG, Lernmark Å. Clinical and biochemical studies in a patient with WDHA-syndrome. In: E.H. Thaysen (ed.): *Gastrointestinal hormones and other subjects*, Aalborg, Alfred Benzon Publication, 133-139, 1971.
- Lernmark Å. Isolated mouse islets as a model for studying insulin release. *Acta Diabet Lat* 8:649-679, 1971.
- Hellman B, Lernmark Å, Sehlin J, Täljedal I-B. Effects of phlorizin on metabolism and function of pancreatic  $\beta$  cell. *Metabolism* 21:60-66, 1972.
- Lernmark Å. The specificity of leucine stimulation of insulin release. *Hormones* 3:14-21, 1972.
- Lernmark Å. Effects of neutral and dibasic amino acids on the *in vitro* release of insulin. *Hormones* 3:22-30, 1972.
- Hellman B, Lernmark Å, Sehlin J, Täljedal I-B. Transport and storage of 5-hydroxytryptamine in pancreatic  $\beta$  cells. *Biochem Pharmacol* 21:695-706, 1972.
- Hellman B, Idahl L-Å, Lernmark Å, Sehlin J, Simon E, Täljedal I-B. The pancreatic  $\beta$ -cell recognition of insulin secretagogues. I. Transport of mannoheptulose and the dynamics of insulin release. *Mol Pharmacol* 8:1-7, 1972.

19. Bloom GD, Hellman B, Idahl L-Å, Lernmark Å, Sehlin J, Täljedal I-B. Effects of organic mercurials on mammalian pancreatic  $\beta$  cells: Insulin release, glucose transport, glucose oxidation, membrane permeability, and ultrastructure. *Biochem J* 129:241-254, 1972.
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**c. Published books, videos and software**  
None

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**e.) Manuscripts Submitted**

**f.) Abstracts**

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## 16. Other

### a) Patents

1. Peterson PE, Rask L, Lernmark Å, Owerbach D. Methods for determination of tissue types coded by MHC genes. Europ. Patent EP 0103 000 B1.
2. Hagopian W, Lernmark Å, Karlsen ÅE, Landin-Olsson, M. Diagnosis of Insulin-dependent diabetes. United States Patent Number 5,547,847
3. Lernmark Å, Karlsen AE, Grubin CE, Hagopian W, O'Hara P, Foster DC. Cloning and expression of human islet glutamic acid decarboxylase autoantigen. United States Patent Number 5,792,620. (Dedicated to the public on April 24, 2000).
4. Lernmark Å, Karlsen AE, Grubin CE, Hagopian W, O'Hara PJ, Foster DC. Cloning and expression of human islet glutamic acid decarboxylase autoantigen. United States Patent Number 6,025,176.
5. Robertson J, Falorni A, Lernmark Å. Modified glutamic acid decarboxylase (GAD). United States Patent Number 6,093,396.

### b) Lectures and Seminars

#### 1994

1. Monday Seminars at the Ludwig Institute for Cancer Research, "Molecular models of HLA antigen presentation in autoimmunity," Karolinska Institute, Stockholm, Sweden, April 11, 1994.

2. Central Research Seminar. Dissecting diabetes genes and autoimmunity in man and the BB rat. Pizer Inc., Groton, CT, May 3, 1994.
3. Graduate course. Intracellular signaling system, "Autoimmune reactions and intracellular signaling," Karolinska Hospital, Stockholm, Sweden, May 18, 1994.
4. Barndiabetes Symposium, "Patofysiologi och Kan vi Förebygga IDDM? - immunterapi, Rådhuset," Malmö, Sweden, June 3, 1994.
5. Nytt från medicinska forskningsfronten, "Jakt på diabetesgener," Exercishuset, Skeppsholmen, Stockholm, Sweden, June 15, 1994.
6. BMC Summer Course 1994, "Genetics of IDDM," Uppsala University, Uppsala, Sweden, August 23, 1994.
7. Neurologkonferens, "GAD antikroppar vid neurologist sjukdom," Neurologiska kliniken, Södersjukhuset, Sweden, September 16, 1994.
8. The Annual Clinical Science Lecture of the Karolinska Institute 1994. The molecular anatomy of autoimmune disease, "Molecular dissection of autoimmune diabetes (type 1)," Huddinge University Hospital, Sweden, September 30, 1994.
9. 26th Annual Meeting Diabetic Pregnancy Study Group, "Molecular mechanisms in diabetes development," Kloster Seeon, München, Germany, September 22-24, 1994.
10. SK-kurs i barnendokrinologi och barndiabetologi, "Autoimmunitete och endokrinologiska sjukdomar," Pediatrika kliniken, KS, October 11, 1994.
11. Forskarutbildningskurs, Molecular Aspects on Cell Biology, "Molecular Aspects on Autoimmune Diabetes," Göteborg University, Sweden, November 2, 1994.
12. Medicinska kliniken efterutbildning, "Autoimmun diabetes: klinisk molekylär biologi och framtida behandling, Medicinska kliniken, Lunds lasarett, Sweden, November, 1994.
13. David Pyke Visiting Professor, "Immune mechanisms in diabetes," King's College, London, England, November 29, 1994.
14. Seminar: "Dissection of diabetes genes," King's College, London, England, November 30, 1994.
15. The Banbury Center, Cold Spring Harbor Laboratory Molecular Genetics of Diabetes, Cold Spring Harbor, MA, 4-7, 1994.

### 1995

1. Warhadpande Oration, Detection and prevention of diabetes. Nagpur, India, January 15, 1995.
2. 4th API-Novo Nordisk Lecture, Prediction and Prevention of diabetes. Madras, India, 1995.
3. Novo Nordisk Symposium, . International Update of Diabetes. "Autoantigens in IDDM." Madras, India, January 17, 1995.
4. University of Washington, Department of Immunology Seminar Series, "Diabetes Genes and Autoantigens", Seattle, WA, February 17, 1995.
5. Diabetes Endocrinology Research Center Seminar Series "Islet GAD and the pathogenesis of diabetes." University of Washington, Seattle, WA, February 21, 1995.
6. Department of Cell Biology and Histology, University of Umeå, "Islet GAD and insulin-dependent diabetes" Umeå, Sweden, March 8, 1995.
7. International Union of Immunology Societies Standardization Committee Meeting, Hotel Schloss "Immunology of Diabetes" Wilhelminenberg, Vienna, March 4-5, 1995.
8. Human Biological Data Interchange Steering Committee Meeting, Chicago O'Hare Hilton, March 29, 1995.
9. Fred Hutchinson Cancer Research Center, "GAD autoantibodies in autoimmune disease." April 25, 1995.
10. ICOS Corporation, "Inflammatory mediators in insulin-dependent diabetes mellitus." Bothell, WA, April 28, 1995.
11. Annual teaching in Masters Ph.D. Program at the Free University of Brussels, Brussels, Belgium, May 12, 1996.
12. Berzelius Symposium, Genetic and immunological findings in newly diagnosed patients. Uppsala, Sweden, May 18-20, 1995.
13. Barbara Davis Scientific Review Board and Lecture, "Diabetes genes and autoantigens." Denver, CO, May 25, 1995.

14. Biomedical Research Integrity Lecture Series, School of Medicine, University of Washington, "Mentoring of Postdoctoral Fellows", Seattle, WA, July 19, 1995.
15. GAD Symposium, Karolinska Institute, Frontiers in Medicine, Glutamic acid decarboxylase - gene to antigen to disease - GAD. Stockholm, Sweden, September 8, 1995.
16. 21st Annual Meeting of ISPAD, "The autoantigens of IDDM - Pro and con." Linköping, Sweden, September 8-11, 1995.
17. 31st Annual Meeting of EASD, Stockholm, Sweden, "β-cell autoantigens in IDDM, 1995
18. Post-EASD Symposium of the EASD-Islet Study Group, Third International Meeting of the Pancreatic Islet Study Group, "β-cell autoantigens in IDDM.", Sigtuna, Sweden, September 12-16, 1995
20. Fetal and early life events in the pathogenesis of IDDM, Schæffergården, "Candidates for the role as primary autoantigen in human IDDM." Gentofte, Denmark, December 2, 1995

#### 1996

1. Biochemisches Kolloquium Hannover, Medizinische Hochschule Hannover, Zentrum Biochemie, "Molecular immunogenetics of β cell destruction in diabetes." Hannover, Germany, February 8, 1996
2. 1996 Kroc Foundation Lectureship, Baylor College of Medicine, "Molecular epidemiology and immunogenetics of autoimmune diabetes." Houston, Texas, February 29, 1996.
3. Puget Sound Parents of Children with Diabetes, "Why did my child develop diabetes." Seattle, WA, March 11, 1996
4. Svensk Förening för Diabetologi, Vårmötet 1996, Aulan, University Hospital, Lund, Sweden, "Prevention of IDDM hos högriskindivider." April 16-17, 1996.
5. Second Seattle Islet Symposium, University of Washington, Center for Urban Horticulture, , Concluding remarks, Seattle, WA, April 23, 1996.
6. Human Biological Data Interchange Steering Committee, "The Search for the Diabetes Genes." Philadelphia, PA, April 24, 1996.
7. National Disease Research Interchange, "Moving into the 21st Century: Frontiers in Human Tissue Research, "Genetics and the use of Biomaterials." Panel Chair, Philadelphia, PA, April 25, 1996.
8. University of Miami/Veterans Administration Hospital/Upjohn Visiting Professor, Medical Grand Rounds, "Genetic epidemiology and immunology of insulin-dependent diabetes?" Miami, Florida, May 1, 1996.
9. University of Miami/Veterans Administration Hospital/Upjohn Visiting Professor, Endocrine and Diabetes Grand Rounds, "Dissecting genes in insulin-dependent diabetes." Miami, Florida, May 2, 1996.
10. The Capitol Summit on Diabetes Research 1996, "Reaching for the Cure." Senate Caucus Room, Washington, D.C., May 9, 1996.
11. American Diabetes Association, 31st Research Symposium, Prevention of Type 1 diabetes in the general population. Estes Park, Colorado. "Immunologic Endpoints." September 27-29, 1996.
12. 75th Celebration of the Discovery of Insulin. An International Research Symposium on Diabetes Focusing on Beta-Cell Function and Insulin Action. The Four Seasons Hotel, "Autoantigens and Antibodies in IDDM," Toronto, Ontario, Canada, October 6-9, 1996.
13. Dipartimento di Medicina Interna e Scienze Endocrine e Metaboliche, "Population-based immunogenetics of IDDM." Perugia, Italy, August 28, 1996.
14. EASD Annual Meeting, State of the Art Lecture: "Role of islet cell antibodies (ICA) in diabetes." Vienna, Austria, September 4, 1996.
15. The John P. Robarts Research Institute, The University of Western Ontario, "Population-Based Immunogenetics in Insulin-Dependent Diabetes Mellitus." London, Ontario, October 10, 1996.
16. Joslin Diabetes Center, Pre-Diabetes and Prevention, "Predicting Autoimmune Diabetes" and "GAD, the Major Autoantigen." Boston, MA, October 11, 1996.
17. University of Tampere, Institute of Medical Technology, "Nature of autoantigens in endocrine immune diseases." Tampere, Finland, November 8-10, 1996.

#### 1997

1. University of Washington, Department of Medical Genetics, Grand Rounds, "Genetics of insulin-dependent diabetes. Seattle, WA, January 28, 1997
2. Washington University, Diabetes Research Seminar Series, "Molecular genetics of autoimmunity in type 1 diabetes." St. Louis, MO, February 11, 1997.

3. Northwest Diabetes Research Symposium, Juvenile Diabetes Foundation, Greater Portland Chapter, Key-note presentations, Portland, OR, March 7-8, 1997.
4. The Fourth World Conference on Diabetes Research, "Immunology of type 1 diabetes-present and the future." Athens, Greece, March 17, 1997.
5. University of Washington, Department of Immunology, Immunology Section of Oral Biology 519, April 14, 1997, Seattle, WA.
6. University of Washington, Cardiovascular Pathology Training Program, Vascular Biology Breakfast Club, "Pancreatic islet inflammation in type 1 diabetes: Is there a role for platelet activating factor." Seattle, WA, April 29, 1997.
7. Annual Meeting & Membership Event, Juvenile Diabetes Foundation Guild of Greater Seattle, Special guest speaker. Seattle, WA, May 21, 1997.
8. Ninth International Symposium on the Immunobiology of Proteins and Peptides, "Immune surveillance - paraneoplastic and environmental triggers of autoreactivity." Whistler, B.C., May 21-25, 1997.
9.  $\beta$  Cell Transplant, 8th Workshop, "Immune intervention with glutamate decarboxylase." Brussels, Belgium, May 31, 1997.
10. Unite 457 INSERM, Pancréas endocrine et diabète de l'enfant, "Predicting insulin-dependent diabetes with autoantibody markers." Paris, France, June 3, 1997.
11. American Diabetes Association - Panel moderator - "Coeliac Disease: A Model for IDDM Etiology?" Boston, June 21-23, 1997.
12. Diabetes Mellitus: NIH Workshop on opportunities and challenges, Chairman Trans-NIH Working Group, Bethesda, MD, September 4-6, 1997.
13. Diabetes and GH-Treatment Symposium. "Pathogenesis of type 1 diabetes." Sigtuna, Sweden, 11-12 September, 1997.
14. First Meeting of the European Study Group "Immunoprevention of type 1 diabetes by Oral Insulin Tolerisation, "Genetic risk factors and autoantibody markers associated with type 1 diabetes." Perugia, Italy, September 13, 1997.
15. Fifth Annual Conference, Diabetes Interdisciplinary Research Programs, "Diabetes Interdisciplinary Research Program." NIH Program Directors Meeting, Bethesda, MD, November 6-7, 1997.
16. Department of Pathobiology, University of Washington, "Immunogenetics and islet autoimmunity in diabetes" Seattle, WA, November 25, 1997.

#### 1998

1. 53rd Joint Annual Conference of Association of Physicians of India "Genetics of Diabetes Mellitus" Bangalore, India, January 16-20, 1998.
2. 53rd Joint Annual Conference of Association of Physicians of India "Genetic Marker in Prediction of IDDM" Bangalore, India, January 16-20, 1998.
3. University of Wyoming, (WWAMI), teaching of Immunology course for first year medical students, February 22, 1998.
4. Vascular Biology Breakfast Club, Cardiovascular Pathology Training Program, "Marker assisted breeding to map complex rat diseases." Seattle, WA, February 24, 1998.
5. British Diabetic Association Medical and Scientific Section Conference, "Susceptibility genes and the immune response in Type 1 diabetes." Edinburgh, Scotland, March 25-17, 1998.
6. International Sardinian Meeting on Diabetes, "Immunological aspects of the diabetes mellitus 2 in adults: the L.A.D.A." and "The use of genetic markers in the prediction of type 1 diabetes.", Cagliari, Italy, September 27-30, 1998.
7. Mt. Sinai Hospital Grand Rounds, Banting and Best Diabetes Centre, Ontario Cancer Institute, Toronto, Ontario, Canada, "How many susceptibility genes are required for the development of type 1 diabetes." October 16, 1998.
8. Medical College of Wisconsin, Milwaukee, WI. "Dissecting Type 1 Diabetes Genes." October 28-29, 1998.
9. Forskningsdag 1998, Prevention of type 1 diabetes. Malmö, Sweden, November 3, 1998.
10. Graduate Course University of Umeå - HLA and type 1 diabetes development., Umeå, Sweden, November 5, 1998.

11. International Progress Report on Diabetes Research, Juvenile Diabetes Foundation and National Institutes of Health, Bethesda, MD, "Dissecting Diabetes Genes in Humans and the BB Rat," November 9-10, 1998.
12. Sixth Annual JDF/NIH Partnership Meeting, Bethesda, MD, "Genetics of type 1 diabetes in the rat," November 9-10, 1998.

#### 1999

1. Satellite Meeting for "Improvement of the Measurement of Type 1 Diabetes Autoantibodies." Atlanta, Georgia, February 16-17, 1999.
2. 22<sup>nd</sup> Annual Arnold O. Beckman Conference, Raging Hormones: Closing the Loop from Bench to Bedside." San Antonio, TX, February 21-11, 1999.
3. John K. Davidson Scientific Series in Diabetes, Medical Grand Rounds. "Autoimmune Markers in the Classification and Treatment of Diabetes Mellitus." Atlanta, Georgia, April 27, 1999.
4. John K. Davidson Scientific Series in Diabetes, "Immunopathogenesis of Type 1 Diabetes." Atlanta, Georgia, April 28, 1999.
5. Scandinavian Diabetes Meeting in Turkku, Finland, "Prediction and prevention of diabetes.", May 8, 1999.
6. University of Umeå, Department of Medicine, Seminar "Prediction of Type 1 diabetes," May 12, 1999.
7. University of Toronto, "Multigenic control of autoimmune diabetes in the BB rat." Toronto, Ontario, Canada, July 20, 1999.
8. Uppsala Advanced Course in Molecular Medicine, Uppsala, Sweden, August 27, 1999.
9. Scandinavian Society for Immunology 30th Annual Meeting and 15th Summer School. "Genetics of Experimental models of diabetes." Lund, Sweden, August 28, 1999
10. International Meeting Diabetes mellitus in adult. "Which islet cell antibodies predict type 1 diabetes?" Sardinia, Italy, September 3-5, 1999.
11. Trials for Prevention of Type 1 Diabetes, "Glutamate decarboxylase and insulin peptides." Satellite to EASD Meeting. Brussels, Belgium, September 28, 1999.
12. European Association for the Study of Diabetes, Chairperson, State of the Art Symposium: "HLA-DQ and I-Ag7 Alleles. Chief Genetic Components of Type 1 Diabetes." Brussels, Belgium, October 1, 1999.
13. 2nd Annual International Motor City Diabetes Symposium "Immunology of the Beta Cell." Detroit, Michigan, October 29, 1999.
14. Gene Therapy Approaches for Diabetes and its Complications, NIH Conference, (Co-Chair): "Autoimmunity of Type 1 Diabetes and Targets of Gene Therapy." Rockville, MD, November 8-9, 1999.

#### 2000

1. Pacific Northwest Research Institute Formal Lecture Series, "Molecular Mechanisms in Type I Diabetes Pathogenesis," Seattle, WA, January 12, 2000.
2. New Mexico Metabolism Symposium, "Immunologic Pathways and the Pathogenesis of Type 1 Diabetes Mellitus." Taos, New Mexico, February 29-March 3, 2000.
3. SEMDSA (Society for Endocrinology, Metabolism and Diabetes in Southern Africa) Congress, Plenary Speaker, "Molecular genetics of Type 1 diabetes" and "Autoimmune diabetes in the adult." Durban, South Africa, April 4-14, 2000.
4. University of Cape Town, Groete Schuur Hospital, South Africa, "Type 1 diabetes pathogenesis." April 11, 2000
5. The University of Orange Free State, Bloemfontein, South Africa, Etiology of Type 1 diabetes." April 13, 2000.
6. Joslin Grand Rounds, "Autoimmune Markers of Diabetes.", May 11, 2000, Joslin Center for Diabetes, Seattle, WA.
7. Diabetes in the Future, "Is it possible to cure diabetes?", December 8, 2000, Novo Nordisk, Copenhagen, Denmark.
8. University of Lund "Screening to predict type 1 diabetes" , Malmo, Sweden, August 12, 2000.
9. Port Ludlow "Latent Autoimmune diabetes" , Peptor, Inc. Conference, Port Ludlow, WA, August 29, 2000
10. Immunology Retreat "Autoimmune diabetes" , Leavenworth, WA, September 11, 2000.
11. University of Lund, "Newborn screening" , Malmo, Sweden, September 28, 2000.
12. International Diabetes Federation, "Genetics of type 1 diabetes" , Poster presentation, Mexico City, Mexico, November 6-9, 2000.

13. Novo Nordisk Diabetes Day” , Type 1 diabetes autoimmunity” , Angelholm, Sweden, December 8, 2000.

### 2001

1. National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel, “National Institute of Diabetes and Digestive and Kidney Diseases ZDK1 GRB-6 (J1)”, January 4, 2001.
3. 5<sup>th</sup> Immunology of Diabetes Congress: Poster Discussion Chairman, Chennai, India, February 15, 2001
4. Meet the Professor Session, Chennai, India, February 16, 2001
5. Novo Nordisk All India Meeting: “Prevention of LADA” , Chennai, India, February 17, 2001
6. University of Hanover: Islet biochemistry in autoimmune diabetes. Hanover, Germany, April 26, 2001
7. University of Washington: Co-organizer DERC Symposium on Islet Transplantation and tolerance induction, May 15, 2001
8. University of Lund: Control of type 1 diabetes autoimmunity, Lund, Sweden, May 27-29, 2001
9. American Diabetes Association Annual Meeting, Philadelphia, Declined invitation to speak at Symposium, June 20-24, 2001
10. Endocrine Society Annual Meeting, Denver, Colorado, Declined invitation to speak at Symposium, June 28-30, 2001
11. Speaker Endocrine Teaching Conference, “Carney’s Complex”, Harborview Med. Center, Seattle, WA, March 27, 2001
12. Simon Frasier University, “Genetics of type 1 diabetes” , Department of Statistics, Vancouver, Canada, January 12, 2001
13. University of Lund, “Diabetes autoimmunity” , Malmö University Hospital, Malmö, Sweden, January 16, 2001
14. Swedish Endocrine Society, Spring Meeting “Prevention of diabetes, Umeå, Sweden, February 1-2, 2001
15. Swedish Endocrine Society Annual Meeting, “Autoimmunity of Type 1 Diabetes”, Umeå, Sweden, February 1, 2001,
16. All India Institute of Medicine: “Autoimmunity of type 1 diabetes” , New Delhi, India, February 12, 2001
17. Tenth Novo Nordisk Diabetes Update, “Prevention Strategies of LADA,” Chennai, India, February 17, 2001.
18. Network for Inflammation Research, “Genetic and environmental factors affecting type 1 diabetes pathogenesis.” Lund, Sweden, May 27-29, 2001.
19. 11<sup>th</sup> International Congress of Immunology, “Diabetes IDDM.” Stockholm, Sweden, July 22-27, 2001.
20. Botnia Anniversary Meeting, “The role of genes and environment in the pathogenesis of diabetes.” Vasa, Finland, August 9, 2001.
21. En Dag För Klinisk Diabetesforskning I Skåne, Sweden, Tomarps Gärdshotell utanför Kristianstad, DiPiS - Diabetes Prediction in Skåne., October 31, 2001.
22. Immunogenicity of Therapeutic Biological Products, National Institutes of Health, Standardization of antibody assays. October 31-November 2, 2001.
23. Sektions symposium: Klinisk Immunologisk diagnostik vid autoimmun endokrinologisk sjukdom. Moderato: Bo Nilsson Gemensamt med sektionen för endokrinologi. "Diabetes mellitus type I. Annual Meeting Swedish Physicians, Clinical Immunology, November 29, 2001.

### 2002

1. Diabetes UK, Annual Professional Conference 2002, Joint Basic and Clinical Science Session, Immunology symposium: Unlikely bedfellows: Taking immunology into the diabetes clinic. "Prediction of Type 1 diabetes and other autoimmune diseases." March 13, 2002, Birmingham, UK.
2. The University of Calgary Hospital, "Age dependent type 1 diabetes pathogenesis." March 15, 2002, Calgary Alberta, Canada.
3. Diabetes Endocrinology Research Center Seminar Series, "Genetic effects on age-dependent onset and islet cell autoantibody markers in type 1 diabetes." April 16, 2002, Seattle, WA.
4. Novo Nordisk, Antibody Panel Discussion. "Insulin Immunogenetics and Insulin Antibodies." June 3, 2002 Bagsværd, Denmark.

5. Erik K. Fernströms Symposium, Diabetes - a focus on the  $\beta$ -Cell. "Dissecting the genetics of type 1 Diabetes in the BB rat." August 28-31, 2002, Ystad, Sweden.
6. University of Washington Department of Immunology, 13th Annual Retreat, "Dissecting type 1 diabetes genes." September 9, 2002, Leavenworth, Washington.
7. The 2nd Dubai International Conference for Medical Sciences, "Pathogenesis and Therapy of Autoimmune Disorders." October 22-24, 2002, Dubai, United Arab Emirates.
8. The 18th Annual J. Allyn Taylor International Prize in Medicine Symposium, " November 6-7, 2002
9. University of Pittsburgh Cancer Institute Immunology Program's Seminar Series. "Dissecting the Genetics of Autoimmune Diabetes." "Loss of C-Peptide in Diabetes - Genes or Antibodies?" "Autoimmune Diabetes: Heterogeneity and Prospects for Immune Modulation Therapy.", December 4-6, 2002, Pittsburgh, PA.

### **2003**

1. Department of Endocrinology UMAS, "Novel Type 1 Diabetes Research." March 13, 2003, Malmö, Sweden
2. Novartis Foundation Discussing Meeting, "Standardization of Autoantibodies.", Symposium Screening for Autoimmune Diseases", March 21, 2003, London, UK
3. Grand Rounds, Department of Medicine, Tallacht, Hospital, "Autoantibody Prediction of Type 1 Diabetes." Dublin, Ireland, March 24, 2003.
4. Royal College of Physicians of Ireland, "Mechanisms of Type 1 Diabetes Development." March 24, 2003, Dublin Ireland
5. University Hospital, MAS, Wallenberg Seminar, "Genomic Medicine I Population-based Studies." March 27, 2003, Malmö, Sweden.
6. University Hospital MAS, Helsingborg Diabetes Association, Prevention and Cure of Type 1 Diabetes Conference, "Is This the Way to Cure Diabetes?" March 31, 2003, Malmö, Sweden.
7. University of Washington, Odegaard Undergraduate Library, New Adventures in Knowledge, Expression & Discovery. Stripping Type 1 Diabetes. May 7, 2003.
8. SSF Type 1 Diabetes Network Meeting, "From Bench to Bedside in Type 1 Diabetes." May 26, 2003, Stockholm, Sweden.
9. University Hospital, Wallenberg Seminar, "Positional Cloning of BB Rat Type 1 Diabetes Genes." May 27, 2003, Malmö, Sweden.
10. Ernest N. Morial Convention Center, 63rd ADA Scientific Session, "Type 1 Diabetes Prevention and Intervention: Emerging Strategies." June 14, 2003, New Orleans, Louisiana.
11. Translational Medicine in the Field of Autoimmunity Conference, "Genetics in Autoimmunity." August 18, 2003, Ljusterö Island, Sweden.
12. 18th International Diabetes Federation Congress, "Lessons from animal models. The BB Rat." August 28, 2003, Paris, France.
13. University Hospital MAS, Department of Medicine Thursday Lecture Series, "Vaccination Against Diabetes." September 25, 2003, Malmö, Sweden.
14. University Hospital MAS, Swedish Society of Diabetology, "Experience in Preventing Type 1 Diabetes." October 10, 2003, Malmö, Sweden.
15. Erik K. Fernstrom Jubilee Symposia at Lund University, "Lymphopenia in the BB Rat Model of Type 1 Diabetes is Due to a Mutation in a Novel Immune-Associated Nucleotide (Ian)-Related Gene." Åke Lernmark, Invited Chairman, University of Lund, October 25, 2003, Lund Sweden.
16. University Hospital MAS, Endocrine Clinic lecture, "Vaccination Against Diabetes--Does it Work?" November 7, 2003, Malmö, Sweden.
17. Novonordisk Symposium, "The View of the Expert on Autoimmunity and Genetics." November 25, 2003, Stockholm, Sweden.

### **2004**

1. Association of Public Health Laboratories and the Centers for Disease Control and Prevention Newborn Screening and Genetic Testing Symposium, "Immune Intervention for Prevention of Type 1 Diabetes." May 4, 2004, Atlanta, Georgia.
2. Turkish Diabetes Congress, "Prevention of Type 1 Diabetes: Antigen and Non Antigen-based Immunotherapy." May 16, 2004, Antalya, Turkey.
3. University Hospital MAS, "Can You Vaccinate Against Diabetes?" June 10, 2004.



4. Diabetes Programme at Lund University, "Type 1 Diabetes Translational Research." September 24, 2004, Lund University, Lund, Sweden.
5. Biotech Forum Science Conference, "Children and Diabetes" section Chair, October 5, 2004, Bella Center, Copenhagen.
6. Novo Nordisk Symposium "Etiology, Prevention, Early Intervention? What Do We Know?" October 8, 2004, Linköping, Sweden.
7. Novartis Foundation Rank Prize Funds Discussion Meeting, "Can Epidemiology Identify the Environmental Triggers." October 25, 2004, London, UK.
8. Danish Pediatric Diabetes Association, "Prevention of type 1 diabetes:" October 28, 2004. Odense, Denmark.

#### **2005**

1. Academic presenter at the Senate Higher Education Committee Meeting. This presentation was intended to inform the Washington state legislature of the importance of state sponsorship of research initiatives. Audience members included the Labor, Commerce and Research and Development Committee. February 15, 2005. Olympia, Washington.
2. Clinical Nutrition Research Unit/Diabetes and Endocrinology Research Unit Annual Retreat, *Metabolism in diabetes prone BB rats during the days that precede hyperglycemia.* March 22, 2005. University of Washington Center for Urban Horticulture, Seattle, Washington.
3. University of Toronto Graduate Training Program in Molecular Medicine, *Genetics of Type 1 Diabetes – Anything Left for the Environment?* April 14, 2005. Hospital for Sick Children, Toronto, Canada.
4. Member, NIDDK Work Group I: *Identify Genetic and Environmental Causes of Type 1 Diabetes.*
5. Graduate Seminar in Diabetes, *Diabetes and the Immune System.* April 28, 2005. Lund University, Lund, Sweden.
6. The Steno Symposium: Frontiers in Diabetes Research, *Long Term Prevention of Beta-cell Destruction in Recent-onset Type 1 Diabetes by Immune Intervention.* May 18, 2005. Vedbaek, Denmark.
7. Speaker at "Steinerfest" event, *Directions of diabetes research.* July 15, 2005. Chicago, Illinois.
8. DIPP Study Seminar: *What TEDDY will tell us about the pathogenesis of type 1 diabetes.* August 26, 2005, Tampere,
9. Finland.
10. ISPAD, Posterpresentation: *TEDDY Study.* August 31, 2005, Krakow, Poland.
11. Wallenberg Seminar Series, Universityhospital MAS: *The Gimap family of anti-apoptotic genes,* September 22, 2005, Malmö, Sweden.
12. Immunology of Diabetes Society (IDS8), Iwaji Island, Posterpresentation: *"TEDDY Study"* October 6, 2005, Kobe, Japan.
13. Molecular Medicine Seminar, Kobe University Medical School: *Immunogenetic Dissection of T1D,* October 10, 2005, Kobe, Japan.
14. Special Seminar, several Tokyo Medical Universities: *Genetics of type 1 diabetes - how important is the environment?* October 12, 2005, Tokyo, Japan.
15. Diabetes Research Day; Universityhospital MAS: *Clinical Research Centers.* October 29, 2005, Malmö, Sweden.
16. Tegger Symposium, Universityhospital MAS: *Slaying old hypotheses in type 1 diabetes pathogenesis.* Malmö, Sweden.
17. Seminar, Clinical Genetics, Lund University: *Diabetes immunogenetics.* November 23, 2005, Lund, Sweden.
18. The Metabolic Syndrome: an update on background, pathophysiology, and new treatment: Universityhospital MAS: *The role of the metabolic syndrome in diabetes.* December 3, 2005, Malmö, Sweden.
19. Autoimmune Diabetes Discussion Group, Oxford University: *Slaying popular hypotheses in dissecting type 1 diabetes aetiopathogenesis.* December 20, 2005, Oxford, England.

#### **2006**

1. Medeon Seminar: *The Type 1 diabetes epidemic.* January 24, 2006, Malmö, Sweden.
2. University of Washington, Faculty Retreat. *Triggers of islet autoimmunity and type 1 diabetes.* Eatonville, Washington, February 15, 2006.

3. Developing New Standards for Autoantibody Measurement: Bringing Metrology to Serology, National Institutes of Standards and Technology: *Standardizing islet cell autoantibodies*. February 21-22, 2006. Gaithersburgh, MD.
4. Lund Technical University Seminar: *Innovations in type 1 diabetes*. March 16, 2006, Lund, Sweden.
5. Seattle-Sweden Diabetes Awareness Day: *The TEDDY Study in Sweden*. April 1, 2006, Seattle, WA.
6. DERC Symposium: *Obesity, inflammation and islet autoimmunity*. May 16, 2006, Seattle, WA.
7. Stockholm University, Department of Environmental Science, ITM Seminar Series, *Dissecting childhood diabetes: is environmental science a tool?* June 2, 2006, Stockholm, Sweden.
8. Pacific Northwest Research Institute's Seventh Annual Langerhans-Virchow Lecture: *Genetic and Molecular Dissection of Autoimmune Diabetes*. June 5, 2006, Seattle, WA.
9. Beta Cell Seminar: *Dissecting the Molecular Genetics of Autoimmune Diabetes*. September 6, 2006, La Jolla, CA.
10. Genetics of Hyperglycemia International Symposium: *Proinflammation and hyperglycaemia – LADA and the link to T1D/T2D*. September 11, 2006, Elsinore, Denmark.
11. 5th Anniversary of the Hagedorn Network: *Traveller in Science*. September 22, 2006, Gentofte, Denmark.
12. Uppsala University, Department of Cell Biology Seminar: *Dissecting Type 1 Diabetes Development*. September 26, 2006, Uppsala, Sweden.
13. Linköping University, Common Traits in Aetiology/Pathogenesis and Prevention of Type 1 and Type 2 Diabetes Research Course: *Genetics of Type 1 Diabetes*. October 10, 2006, Linköping, Sweden.
14. Lund University, The Metabolic Syndrome – An Update on Background, Pathophysiology and New Treatments. *State of the Art and Future Treatment: Wrap-up Round Table Discussion*. October 21, 2006, Malmö, Sweden.
15. Nordic Centre of Excellence, Junior Scientist Meeting. *Dissecting the genetics of type 1 diabetes*. November 17, 2006. Malmö, Sweden.

#### 2007

1. Larry L. Hillblom Islet Research Center, UCLA: *Closing in on the immunogenetic trigger of Type 1 Diabetes*. February 16, 2007. Los Angeles, California.
2. Linköping University, Sweden Seattle Diabetes Conference: *Prevention of Diabetes and its Complications. What do we know about the genetics of diabetes and what more can we hope for?* April 27, 2007. Linköping, Sweden.
3. Linköping University, Sweden Seattle Diabetes Conference: *Prevention of Diabetes and its Complications. Varför blir diabetes hos barn allt vanligare?* April 27, 2007. Linköping, Sweden.
4. Walter F. Enz lecture series at The University of Kansas, Department of Pharmaceutical Chemistry: ?
5. Lund University, Baltic Summer School 2007, "Genes in Complex Autoimmune Disorders." September 6<sup>th</sup> 2007, Malmö, Sweden.
6. Lund University, Baltic Summer School 2007, "Immunomodulation with Human Recombinant Autoantigens." September 13<sup>th</sup> 2007, Malmö, Sweden.
7. Swedish research Council: *Hearing about Biobanks. "Existing problems and future opportunities in using biobanks for research."* Tuesday 18 September 2007, Stockholm, Sweden.
8. University of Washington Department of Medicine's Grand Rounds: "The Environmental Determinants of Diabetes in the Young and Disease Intervention by Immune Tolerance Induction." September 20<sup>th</sup> 2007, Seattle, Washington, USA.
9. Type 1 diabetes. Lecture for Graduate students in the Diabetes Program at Lund University (DPLU). October 4, 2007, Malmö, Sweden.
10. The TEDDY project. Lecture for Research Technologists. CRC, University Hospital MAS. Nov 1, 2007, Malmö, Sweden.
11. Type 1 diabetes research. Lecture in the Lund University course: *Care for Diabetes*. University Hospital MAS. Nov 9, 2007, Malmö, Sweden.

#### 2008

1. Karolinska University Hospital. Minisymposium: *TEDDY-the environmental determinants of diabetes in the Young* January 24, 2008.
2. The Swedish Diabetes Association Scania Northwest. *The frontier of diabetes research*". February 24, 2008. Munka Ljungby, Sweden.

3. Lund University. Translational Research Symposium: *Can we prevent diabetes and celiac disease?* March 13, 2008. Lund University, Lund, Sweden.
4. Diabetes Nurse Training Course: *Type 1 diabetes Research*. March 14, 2008. University Hospital MAS, Malmö, Sweden.
5. Advances in Target Therapies 2008: *Immunomodulation with human recombinant proteins*. April 2-6, 2008. Rapallo, Italy.
6. Lund Technical University Training Course. *Type 1 diabetes Research*. April 15, 2008. Lund University, Lund, Sweden.
7. Novo Nordisk Childhood Diabetes Annual Meeting. *Immuneintervention in type 1 diabetes*. May 19, 2008. Svendborg, Denmark.
8. Graduate Student Training Course in Reversed Genetics: From Disease to Genes. *Introduction to Reversed Genetics*. June 2-5, 2008. University Hospital MAS, Malmö, Sweden.

**c) Community Service**

1. University Hospital MAS, Endocrine Clinic presentation, "Can We Prevent Diabetes?" October 11, 2003, Malmö, Sweden.
2. McAbee Fellowship Dinner, Opening Remarks and Introduction, UW Center for Urban Horticulture, October 15, 2003.
3. University Hospital MAS, Wallenberg 10 year Anniversary, "Vaccination against diabetes". November 11, 2004, Malmö, Sweden.
4. Senate Higher Education Committee Meeting. Labor, Commerce and Research and Development