

CURRICULUM VITAE

November 12, 2013

NAME: **Mark Alvin Atkinson, Ph.D.**
American Diabetes Association Eminent Scholar
Department of Pathology, Immunology and Laboratory Medicine
College of Medicine
University of Florida
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BIRTH: March 27, 1961
Dearborn, Michigan, U.S.A.

EDUCATION:

University of Michigan-Dearborn, B.S., Microbiology	1983
Pennsylvania State University, Hershey Medical Center	1984
Hagedorn Research Laboratory, Gentofte, Denmark	1986
University of Florida, Ph.D., Department of Pathology	1987

ACADEMIC APPOINTMENTS:

Post-Doctoral Associate, Department of Pathology, University of Florida	1988 - 1990
Assistant Professor, Department of Pathology, University of Florida	1990 - 1994
Associate Professor / Tenure, Department of Pathology, University of Florida	1994 - 1999
Director, The Center for Immunology and Transplantation	1998 - 2006
Sebastian Family Professor for Diabetes Research	1998 - 2007
University of Florida Research Foundation Professor	1998 - 2001
Professor, Department of Pathology, University of Florida	1998 - present
Co-Director, Diabetes Center of Excellence	2000 – present
Eminent Scholar, University of Florida	2003 - present
Jeffrey Keene Family Professor	2004-present
University of Florida Research Foundation Professor	2006 - 2008
American Diabetes Association Eminent Scholar for Diabetes Research	2007 - present

AREAS OF SPECIALIZATION

Dr. Atkinson is currently the American Diabetes Association Eminent Scholar for Diabetes Research, and the Jeffrey Keene Family Professor at The University of Florida. He also is the co-Director for The Diabetes Center of Excellence at that institution. The author of over 300 publications, Dr. Atkinson is now in his 29th year of investigation into the field of type 1 diabetes. Dr. Atkinson has been the recipient of multiple scientific and humanitarian based awards for these efforts. Those include three from the Juvenile Diabetes Research Foundation (JDRF). The first was the Gerold and Gayla Grodsky award (2001) provided to the outstanding Ph.D. investigating type 1 diabetes. He is a two-time recipient of the Mary Tyler Moore & S. Robert Levine M.D. award for translational research on type 1 diabetes (2004 and 2008). He was also the recipient of the JDRF's David Rumbough award for contributions to diabetes research (2005). Dr. Atkinson was also a recent recipient of the prestigious Eli Lilly Award for Outstanding Scientific Achievement from the American Diabetes Association (2004). Most recently, he received the Barbara Davis Award for contributions to the field seeking to prevent type 1 diabetes. He has also been active in a leadership service to the type 1 diabetes community, with active administrative or advisory service to The Juvenile Diabetes Research Foundation, The American Diabetes Association, The National Institutes of Health, The Immunology of Diabetes Society, and a variety of companies from the pharmaceutical and biotech industry. Dr. Atkinson is a past Chair for Medical Science Research at the JDRF wherein he oversaw professional research review of nearly \$100M in annual funding (FY 2003-2005). He has served on the state, regional, as well as the national Board of Directors for the American Diabetes Association, as well as past-memberships on their publications, scientific sessions planning, research review committees. He is an immediate past Associate Editor of the American Diabetes Association's Journal Diabetes, and has Chaired two National Expert Panels formed by the NIH giving guidance to diabetes research as well as the congressionally awarded, special funding for type 1 diabetes. Dr. Atkinson is an internationally recognized authority on multiple aspects pertaining to type 1 diabetes, with particular interests in disease prediction and prevention, the role for environment in the initiation of the disease, stem cells and pancreatic regeneration, identifying markers of tolerance and immunoregulation, and the identification of biological agents as a means to cure the disease and prevent it's complications. Indeed, in a 10 year study by Thompson Scientific (an organization that tracks scientific citations of researchers) noted that Dr. Atkinson was the fifth most cited authority of over 65,000 investigators in the world in all categories of diabetes, both type 1 and type 2. Dr. Atkinson is a founding member of the now 13 year old, NIH Immune Tolerance Network; amongst only a handful of members whose institutions are located within the Southeastern United States. In terms of clinical trials expertise, he is a member of the NIH TrialNet as well as a founding member of the Helmsley Trust Consortium on Type 1 Diabetes; both providing guidance to trials aimed at reversing type 1 diabetes. Dr. Atkinson is the founding Director of the JDRF Network for Pancreatic Organ donors with Diabetes (nPOD) program, a position where he currently oversees the scientific progress of some 120 projects directed at numerous aspects of the disease. This is but one example of many multi-investigator/multi-institutional efforts overseen by Dr. Atkinson; other examples including but not limited to Directorship of the JDRF Gene Therapy Center at the University of Florida & University of Miami, 15 years of leading an NIH PO1 directed at understading immune regulation in type 1 diabetes, and the JDRF Center for Cord Blood Therapies. His interest in collaboration has driven his participation in a variety of organizations (e.g., the Brehm Coalition, the Helmsley Trust Type 1 Diabetes Centers) and technologies (e.g., nPOD Datashare) are representative examples of that interest. Finally, Dr. Atkinson is active at a global level for causes related to the care and treatment of those in the third world; especially and including persons with type 1 diabetes. For this cause, he serves as President of Insulin for Life USA, and is an Advisor to Life for a Child.

CONTRIBUTION TO DISCIPLINE (PERSONAL STATEMENT)

When a first year graduate student at The University of Florida in 1984, my Mentor (Dr. Noel Maclaren) provided words of advice that remain a major part of my academic life. In a

conversation regarding what areas would form the best focus for a research career in type 1 diabetes, he responded, "If you pursue three avenues of investigation and find out their answers, you will make a valuable contribution to type 1 diabetes (sic)". Those recommended efforts were to:

- Determine what causes type 1 diabetes.
- Identify a means to predict, months to years in advance, who will develop the disease.
- Develop a method to cure type 1 diabetes.

Some 29 years later, with both a sense of happiness and sadness, I can say that these three avenues remain a major focus of my research efforts. Happiness, in that progress has been made by the research community (with some contributions from my research group and collaborators) towards each goal, but at the same time none have been fully addressed. Indeed, progress towards each goal differs quite dramatically. For example, we and others have, to a large extent, developed a means to predict in a population of individuals who is likely to develop type 1 diabetes. This is a major (if even partial) success. At the same time, its impact remains somewhat muted in that without an answer to the third goal (a method to prevent or cure the disease), efforts for disease prediction have been somewhat underutilized by the public health care community. That said, we are moving closer (and leading efforts) towards testing of agents capable of effectively intervening in the disease which leaves open the discussion of progress towards the first goal, understanding what causes the disorder. Sadly, of all the goals, this one remains the most elusive. Perhaps in part because of this state of progress, I have expanded my efforts to seeing insulin provided to those in third world areas as while not a cure, it does represent a life-saving entity.

COMMITTEES:	Medical Science Review Committee, Juvenile Diabetes Foundation	1991 - 2010
	Doctoral Faculty Member, University of Florida	1991 - present
	Graduate Education Committee, Department of Pathology, University of Florida	1991 - 1997
	Ad Hoc Grant Review Panel, United States Veterans Administration	1991 - present
	Vice-Chair, Professional Relations and Standards Committee, University of Florida	1991 - 1992
	Ad Hoc Grant Reviewer, Diabetes Research & Education Center, University of Michigan	1992
	Research Advisory Council, College of Medicine, University of Florida	1992 - 1995
	Public Relations and Communications Committee, Juvenile Diabetes Research Foundation	1993 - 2011
	Reviewer, National Institutes of Health, NIAID & NIDDK, Ad Hoc	1993 - present
	Graduate Program Director, Department of Pathology, University of Florida	1994 - 1997
	Office of Graduate Research and Education Advisory Council, University of Florida	1994 - 1997

Office of Technology Licensing, Advisory Committee, University of Florida	1994 - 1996
Medical Sciences Review Committee, Juvenile Diabetes Research Foundation	1994 - 1999
Executive Committee, American Diabetes Association, Florida	1994 - 1997
Executive Member, College of Medicine Reorganization Committee, University of Florida	1995 - 1996
Director, Graduate Program in Immunology & Microbiology, College of Medicine, University of Florida	1995 - 1998
Medical Research Council of Canada, Review Committee	1996 - 1998
Director, The Center for Immunology and Transplantation, College of Medicine, University of Florida	1996 - 2006
Graduate Education Advisory Committee, College of Medicine, University of Florida	1996 - 1998
Director, Recruiting & Admissions Committee, Interdisciplinary Graduate Research Program, College of Medicine, University of Florida	1997
Grant Review Committee, American Diabetes Association	1997 - 1999
Co-Chair, Medical Sciences Review Committee (Group 1), Juvenile Diabetes Foundation International	1997 - 1999
Executive Committee, South Coastal Region, American Diabetes Association	1997 - 2000
Research Advisory Board, Juvenile Diabetes Research Foundation	1997 - 2001
T Cell Workshops Committee, Immunology of Diabetes Society (IDS)	1998 - 2004
Executive Board, Immunology of Diabetes Society (IDS)	1998 - 2001
Board of Directors, American Diabetes Association (National)	1999 - 2002
Clinical Affairs Committee, Juvenile Diabetes Research Foundation	1999 - 2001
Publications Committee, American Diabetes Association	2000 - 2002
Scientific Advisory Board, Islet Cell Transplantation Center, Harvard University	1999 - 2000
Professorial Tenure and Promotions Committee, College of Medicine, University of Florida	1999 - 2001
Chair, Immunology and Transplantation Review, Juvenile Diabetes Research Foundation	2000 - 2002

Council on Immunology and Ligand Standardization, NCCLS	2000 - 2003
Scientific Advisory Board, University of Pittsburgh Gene Therapy Center	2002 - 2007
University of Florida / Shands Cancer Center, member	2002 - present
Research Policy Committee, American Diabetes Association	2002 - 2003
Research Executive Committee, Juvenile Diabetes Foundation International	2002 - 2006
Executive Scientific Research Committee, Immune Tolerance Network	2001 - present
Human Stem Cell Research Policy Committee, Juvenile Diabetes Research Foundation	2002 - 2005
Clinical Affairs Advisory Committee, Juvenile Diabetes Research Foundation	2002 - 2005
Expert Member, NIH NIAID Autoimmunity Council	2002 - 2003
Chair, Laboratory Monitoring Group, NIH TrialNet	2002 - 2005
International Advisory Board, Università Campus Bio-medico Di Roma	2002 - 2008
Chair, Medical Science Review Committee, Juvenile Diabetes Research Foundation	2003 - 2005
Council Chair, Section on Immunology, Immunogenetics, and Transplantation, American Diabetes Association	2003 - 2005
Planning Committee Member, Rachmiel Levine Symposium	2003 - 2008
Scientific Advisory Board Member, Entelos/ADA In Silico Models for Type 1 Diabetes	2003 - 2008
Scientific Sessions Planning Committee, American Diabetes Association	2003 - 2005
NIH Conference on "GAD and Autoimmune Disease", Conference Organizer	2004
EASD/JDRF Meeting on Type 1 Diabetes Prevention, Oxford University, Conference Co-organizer	2004
Laboratory Monitoring Group, NIH TrialNet	2005 - 2008
Scientific Advisor, NIH/NIDDK Conference on Statutory Funding for Type 1 Diabetes	2005, 2008
Sample Access Review Panel, NIDDK Central Repositories	2005 - present
External Advisory Board Member, Wellcome Trust / JDRF Center on Genetics of Type 1 Diabetes	2005 - 2010

Member, NIDDK Group B (Training) Review	2005 - 2007
Chair, NIH Workgroup on Special Statutory Funding for Type 1 Diabetes Research, NIDDK	2005 - 2006
Member, Brehm Coalition for Type 1 Diabetes	2006 - present
External Advisor, Columbia University Diabetes Center	2006 - 2007
Genzyme Scientific Advisory Committee, Type 1 Diabetes	2006 - present
Chair, JDRF Expert Panel on Special Statutory Funding for Type 1 Diabetes Research	2006 - 2007
Member, T1D RAID/Biomedical Research Models Advisory Panel	2006 - 2010
Meeting Co-Organizer, NYAS: Animal Models of Type 1 Diabetes and Multiple Sclerosis	2006
Co-Chair, 9 th International Meeting of the Immunology of Diabetes Society	2007
Member, Clinical Affairs work group (CAWG), JDRF	2007 - 2009
University of Florida HHMI program professor	2007 - present
Member, Diabetes Advisory Board, Glaxo-Smith Kline	2008 - 2009
Member, Organizing Committee, Rachmael Levine Symposium	2008 - 2010
Member, JDRF Autoimmunity Centers of Excellence Group	2008 - 2012
Chair, Diabetes Advisory Committee for Special Program Funding, NIH	2008
Chair and Organizer, JDRF Advisory Meeting on the Role of MSC Therapies in Type 1 Diabetes	2008
Member, Type 1 Diabetes Advisory Committee, Sanford Health	2008 - 2010
Member, Helmsley Trust Type 1 Diabetes Advisory Board	2009 - 2012
Member, Scientific Advisory Board, TolereX	2009 - 2010
Member, Joslin Diabetes Medalist Program Advisory Panel	2009
Member, T1D Exchange Advisory Committee	2010 - 2011
Chair and Organizer, FOCIS Special Meeting on the Use of Human Tissues in Type 1 Diabetes Research	2010
International Ambassador/Advisor, Life for a Child (IDF)	2010 - present
Chair, JDRF Microbiome Consortium	2010 – present
Chair, NIH TrialNet Prioritization Committee	2010 – present

Member, NIH TrialNet Ancillary Studies Committee	2010 – present
Member, JDRF “Blue Ribbon” External Advisory Panel	2011 - present
Chair and Organizer, JDRF Meeting on Lessons Learned from Clinical Trials in Type 1 Diabetes (Lisbon)	2011
NIH Beta Cell Biology Consortium (BCBC) External Evaluation Committee Member	2011 – present
Chair, JDRF Microbiome Consortium	2011 – present
Section Editor, Type 1 Diabetes, <i>Diapedia</i>	2011 – present
Advisory Board Member, Life for a Child (IDF)	2011 – present
Lead Investigator and Committee Chair, Use of TSO to Prevent Type 1 Diabetes, NIH TrialNet	2011 – present
Member, Diabetes Advisory Board, Sanofi Pharmaceuticals	2012 - present
Member, Diabetes Advisory Board, Takeda Pharmaceuticals	2012 - present
Member, Diabetes Advisory Board, Grifols Pharmaceuticals	2012 - present
Member, Diabetes Advisory Board, Sanofi Pharmaceuticals	2012 - present
President and Board Chair, Insulin for Life USA	2012 - present
Member, NIDDK Group B (Training) Review	2012 - present
Ad hoc Editor-in-Chief, Diabetes	2013 – present
Member, Broad Institute Scientific Advisory Committee	2013 – present

TEACHING:

Discussion group leader in the medical student (phase B) <i>Medical Immunology course</i>	1990 - 2001
Lecturer in GMS 6140, <i>Principles of Immunology</i>	1993 - 1997
Director/Lecturer, GMS 6646, <i>Experimental Pathology and Immunology</i>	1993 - 1997
Director/Lecturer, GMS 7920, Colloquium in Experimental Pathology and Immunology	1993 - 1997
Director/Lecturer, GMS 6381, <i>Advanced Topics in Immunology</i>	1993 - 1997
Director/Lecturer, GMS 6921, Immunology/Microbiology Journal Colloquy	1993 - 1997
Director/Lecturer, GMS 6032, <i>Mechanisms of Host Defense</i>	1997 - 1998
Lecturer in the medical student (phase B) <i>Pathology course</i>	1997 - 2000
Lecturer in GMS 6390, <i>Seminar in Pathology</i>	1997 - 1999

Lecturer in DEN 6350, <i>Dental Pathology</i>	1997 - 2000
Lecturer in GMS 6033, Autoimmunity, Transplantation Immunology	2000 - 2004
Advanced Immunology	2000 - 2007
Additional service includes positions on numerous Graduate and Medical Education committees, and research mentoring of 13 post-doctoral fellows, 27 Ph.D., and 6 M.S. students (as of 9/2013)	

**HONORS AND
AWARDS:**

Division of Sponsored Research Award, University of Florida	1986
Medical Guild Research Award for Graduate Research, University of Florida	1987
Post-Doctoral Fellowship, Juvenile Diabetes Research Foundation	1988
Post-Doctoral Fellowship (Mentor Based), American Diabetes Association	1988
Research Development Award (CDA), American Diabetes Association	1990
National Institutes of Health FIRST Award	1992
Diabetes Research and Education Foundation Award	1992
Career Development Award, Juvenile Diabetes Association	1993
The University of Florida, Pew Scholar Nominee	1993
Partners for a Cure Award, American Diabetes Association (Florida)	1996
Mary Jane Krugal Research Award, Juvenile Diabetes Research Foundation	1997
Sebastian Family / American Diabetes Association Endowed Chair	1998
Elected Executive Board Member, Immunology of Diabetes Society	1998
University of Florida Research Foundation Professorship	1998
Mary Jane Krugal Research Award, Juvenile Diabetes Research Foundation	1999
Congressional Briefing on Type 1 Diabetes, United States Congress	1999
Named "Distinguished Faculty", Juvenile Diabetes Foundation	2000
Outstanding Research Achievement Award, American Diabetes Association (South Costal Region)	2000
Faculty Basic Science Research Award, College of Medicine, University of Florida	2001
Gerold & Kayla Grodsky Award for Major Contributions to Diabetes Research,	2003

Juvenile Diabetes Research Foundation	
Mary Jane Krugal Research Award, Juvenile Diabetes Research Foundation	2003
Distinguished Visiting Professor, Johns Hopkins University School of Medicine	2003
Mary Tyler Moore and S. Robert Levine Clinical Research Award, Juvenile Diabetes Research Foundation	2004
Eli Lilly Award for Outstanding Scientific Achievement, American Diabetes Association	2004
Hilborn Scholar, UCLA School of Medicine	2005
David Rumbough Award for Scientific Excellence, JDRF	2005
University of Florida Research Professor	2006
American Diabetes Association, Distinguished Service Award for serving as Chair of the Immunology, Immunogenetics, and Transplantation Council	2006
UF/ Howard Hughes Medical Institute undergraduate professor	2007
Mary Tyler Moore and S. Robert Levine Clinical Research Award, Juvenile Diabetes Research Foundation	2008
Cure Award, American Diabetes Association, for efforts seeking to reverse type 1 diabetes	2009
Exemplary Teacher Award, University of Florida, College of Medicine	2009
Honorary Lecturer (with Award), Edwin Gale Retirement event	2010
Service Award, American Diabetes Association, for efforts as Associate Editor of the journal Diabetes	2011
Davis Award, Children with Diabetes Foundation	2012

REPRESENTATIVE DESCRIPTIONS OF MAJOR AWARDS:

The David Rumbough Award for Scientific Excellence was established in 1974 by actress Dina Merrill in honor of her late son, David. JDRF presents this award annually to recognize sustained commitment and achievement in the field of diabetes research.

The Gerold and Kayla Grodsky Award was established by a gift from the Grodsky's made to JDRF in 1994. The award is presented annually to a Ph.D. researcher who has made outstanding contributions to the field of diabetes research.

The Mary Tyler Moore and S. Robert Levine, M.D., Excellence in Clinical Research Award was established by these individuals in 2002. The award is overseen by the Juvenile Diabetes Research Foundation International and given in recognition of outstanding contributions to the clinical translation of diabetes research.

The Outstanding Scientific Achievement Award by the American Diabetes Association. The award, established in 1956 and often referred to as “the Lilly Award”, is given each year to recognize demonstrated research in the field of diabetes, taking into consideration originality and independence of thought. The sought-after award is presented to an individual medical researcher under age 45 who has made an outstanding contribution to diabetes research.

The Davis Award, provided at the Carousel of Hope Ball, was presented to Dr. Atkinson, by the Children’s Diabetes Foundation, in recognition of his long-standing efforts to identify a means to prevent type 1 diabetes.

**SOCIETY
MEMBERSHIPS:**

American Diabetes Association	1986 - present
American Association for the Advancement of Sciences	1991 - present
Juvenile Diabetes Research Foundation	1992 - present
Immunology of Diabetes Society	1996 - present
American Society for Gene Therapy	2002 - 2006
Society for Experimental Diabetes Research	2004 - present
European Association for the Study of Diabetes	2004 - present
International Society for Pediatric and Adolescent Diabetes	2011 - present

**EDITORIAL
BOARDS:**

<i>Diabetes Countdown</i>	1992 - 2010
<i>Diabetes</i>	1995 - 1998
<i>Molecular Medicine</i>	1999 - 2003
<i>Diabetes</i>	2005 - 2011
<i>Diabetologia</i>	2005 - 2008

Diabetes – Associate Editor 2006 - 2011

Ad Hoc Reviewer for Diabetes, Diabetes Care, The New England Journal of Medicine, The Journal of Clinical Investigation, Analytical Biochemistry, The Journal of Neurochemistry, Pancreas, Metabolism, Science, The Journal of Clinical Endocrinology and Metabolism, The Journal of Immunology, Nature Medicine, Nature, The Lancet, Clinical Chemistry, Diabetologia, Diabetes and Metabolism Reviews, Proceedings of The National Academy of Sciences U.S.A., Pediatric Diabetes, amongst many others. Ongoing

**CORPORATE
CONSULTATION:**

Syntex Pharmaceuticals / SYVA	1993 -1996
Diagnostics	
Diamyd Pharmaceuticals	1998 - present
Diabetogen	2000 - 2003
Sankyo Pharmaceuticals	2002 - 2006
Entelos	2004 - 2008
Elan/Wyeth Pharmaceuticals	2005 - 2008
Genzyme	2005 - present
Diakine Pharmaceuticals	2006 - 2010
Kinexum	2006 - 2008
Health Advances	2008 - present
Biomedical Research Models	2007 - 2011
Gerson Lehrman Group	2009 - present
Glaxo-Smith Kline	2009 - present
Amylin	2009 - present
Exsulin	2010 - present
Sanofi	2011 - present
Grifols	2011 - present
Takeda	2011 - present
Miromatrix Medical	2012 - present
Medistem	2012 - present
OneVax (co-founder)	2012 - present

GRANT SUPPORT:

ACTIVE

NIH PO1 AI42288
 “Immune Function and the Progression to Type 1 Diabetes”
 \$1,184,448 per year
 Funding years: 09/01/07 – 04/30/18
 Role: PI

JDRF 25-2007-874

Juvenile Diabetes Research Foundation
"Network for Pancreatic Organ Donors
with Diabetes - Administrative Core"

\$2,724,887 - \$3,020,443 per year

Funding years: 01/01/13 - 12/31/17

Role: PI

JDRF 4-2007-1065

Juvenile Diabetes Research Foundation
"Cord Blood Therapies for Type 1
Diabetes"

\$1,240,595 per year

Funding years: 09/01/07 - 08/31/13

Role: PI

Note: Grant currently in No Cost
Extension as renewal is being considered
through new JDRF Autoimmunity
Translational Centers Program.

JDRF 17-2007-1045

Juvenile Diabetes Research Foundation
Program Project, Research Grant
Autoantigen Identification

Total Award: \$ 117,344

Time Effort: 2%

P.I.: Mark A. Atkinson, Ph.D.

The Leona M. and Harry
B. Helmsley Charitable
Trust

09-PGT1D022

"Reversing Type 1

Diabetes After it is

Established – Master Trial
Center"

Funding years: 09/01/09 –
05/31/15

Total Award: \$911,570/yr

PI: Mark A. Atkinson,
Ph.D.

Sanford Health

"Combinational Therapy in Type 1
Diabetes - Fellowship"

Funding Period: 12/01/09 - 11/30/15
\$47,500 per year

JDF 3-2011-51

Juvenile Diabetes Research Foundation
"The Role of the Beta Cell (dys)function"

Funding Period: 03/01/11 - 02/28/14

\$48,124 per year

Role: Mentor (Patrick Rowe Fellowship)

JDRF/UCF 17-2011-286/22208036
Juvenile Diabetes Research Foundation/
University of Central Florida
“Evaluate Optimal Dose and
Therapeutics”
Funding Period: 04/01/11 – 03/31/14
\$54,811 per year (Atkinson)
Role: co-PI (Daniel PI)

JDRF/Benaroya 9-2012-22/12703602
JDRF/ITN Partnership in Immune
Tolerance
Funding Period: 01/01/12 – 12/31/13
\$50,000 per year
Role: local PI

JDRF 25-2012-380
Juvenile Diabetes Research Foundation
nPOD Expansion
Funding Period: 09/01/12 – 08/31/13
\$345,950
Role: PI

JDRF 25-2012-770
Juvenile Diabetes Research Foundation
“The JDRF nPOD Viral Work Group:
nPOD V”
Funding Period: 09/01/12 – 08/31/15
\$937,328 per year
Role: PI

JDRF 17-2012-541
Juvenile Diabetes Research Foundation
“Ex Vivo Analysis of the Cell Educator
System”
Funding Period: 09/01/12 – 08/31/13
\$118,932
Role: PI

ADA 7-12-MN-03
American Diabetes Association
“Identifying the Contribution of Beta Cell
Dysfunction and Autoimmunity to the
Pathogenesis of Type 1 Diabetes”
Funding Period: 07/01/12 – 06/03/13
\$42,750
Mentor based Post-doctoral Fellowship
Role: PI

NIH 9U01AI102370-06
National Institutes of Health
“Assessment of Cytokine Expression in
Human Pancreata During Diabetes

Pathogenesis"
Funding Period: 07/01/12 – 06/30/17
\$372,520 per year
Role: Co-PI (PI von Herrath)

National Institutes of Health
"B-Lymphocyte Targeting Therapies for
Autoimmune Diabetes"
Funding Period: 04/01/13 – 03/31/18
\$33,155 per year
Role: Co-PI (PI Serreze)

NIH R56 DK099174
National Institutes of Health
"Protein Markers to Type 1 Diabetes
Progression"
Funding Period: 10/01/13 – 03/31/18
\$33,155 per year (Atkinson portion)
Role: Co-PI (PI Zhang)

PENDING

JDRF Autoimmunity and Beta Cell and
Prevention Translational Centers
"The M³ Initiative – Identifying the
Therapeutic Potential for Targeting
Metabolism, Migration and Mobilization in
Efforts to Prevent and Reverse Type 1
Diabetes
\$1,490,000 per year

NIH RO1 DK098629-01
"Synergizing Renewed Immunoregulation
with hematopoietic Mobilization as a
Means to Reverse T1D"
Funding Period: 04/01/13 - 03/31/18
Role: PI

Ellis Family Research Endowment
F007367
Annual Distribution: \$39,353.70
Principle: \$1.2M

American Diabetes Association
Eminent Scholar F013907
Annual Distribution: \$106,186
Principle: \$3.3M

Salisbury Diabetes Research
Endowment F021401
Annual Distribution: \$14,720
Principle; \$542,825.

Keene Translational Diabetes Research Endowment F008339
Annual Distribution: \$56,388.54
Principle: \$1,790,000.00

American Diabetes Association
Endowment F008485
Annual Distribution: \$6,079.00
Principle: \$190,920.00

Kriser Foundation Diabetes Research Fund F004665
Principle: \$91,124.00

**ENDOWMENT
FUNDING:**

ACTIVE

NIH: R21 DK078863
Short Course G-CSF as
Immunomodulatory Therapy for Type 1
Diabetes
Role: Co-I (PI - Michael Haller)
Funding Years: 2008-2010
Annual: \$198,267

**PREVIOUS
(selected from 1992
onward; only PI or
CO-PI; ~30 other
support grants not
noted.)**

The Leona M. and Harry B. Helmsley
Charitable Trust
09PG-T1D0010
"To Arrest the Immune Assault on Beta
Cells in Vivo"
Funding Period: 2009-2012
Total Award: \$150,000/yr
Time Effort: 2.5%
Role: PI

The Leona M. and Harry
B. Helmsley Charitable
Trust
09AG-118598
"Creating a Cell and
Serum Storage Facility for
Advanced Studies of Cell
Functioning in Type 1
Diabetes"
Total Award: \$124,292/yr
Funding Period: 2009-
2012
Time Effort: 2.5%
Role: PI

Juvenile Diabetes
Research Foundation
"Cord Blood Therapies for
Type 1 Diabetes"
\$1,300,933 per year
Funding years: 2007-2012
Role: PI

Harvard University
Subcontract
JDRF 17-2007-1045
"Identification of
Autoantigens in Type 1
Diabetes by Protein
Microarrays"
Funding Years: 2007 -
2010
Annual (Atkinson portion):
\$38,269
Role: PI (PI - Helal)

Bill Brehm and the UFF Gift Agreement
Program Project, Research Grant
Treg Consortium
Total Award: \$500,000
Funding Period: 2007-2009
Role: PI

Juvenile Diabetes Foundation
Innovative Award
"Expansion of Regulatory T cells from
Umbilical Cord Blood"
Total award: \$55,000
Funding period: 2007-2008
Time effort: 2.5%
Role: PI

Juvenile Diabetes Foundation
Innovative Award
"Phenotype/Genotype Studies of CD25
In Type 1 Diabetes"
Total award: \$40,000
Funding period: 2007-2008
Time effort: 2.5%
Role: PI

National Institutes of Health
Program Project, Research Grant
"A study of model beta cells in diabetes
treatment"
R01 DK047858
Total Award: \$1,296,445
Funding Period: 2006-2011
Time Effort: 5%
Role: co-PI (Mentor to new PI Simpson)

JDF 7-2005-875
Juvenile Diabetes Research Foundation
"Novel Mechanisms and Therapies
Targeting Dysfunctional Endothelium"
\$660,000 per year
Funding years: 2006 – 2009
Role: co-PI (Grant PI)

Juvenile Diabetes Foundation
Program Project Research Grant
"Immunoregulatory Based Therapies
for the Prevention and Reversal of
Type 1 Diabetes"
Total award: \$545,000
Funding period: 2006 – 2009
Time effort: 18%
Role: PI

American Diabetes Association
Research Grant
"Mechanisms and Characterization of
Regulatory T Cell Defects in Human
Type 1 Diabetes"
Total award: \$300,000
Funding period: 2006 – 2009
Time effort: 6%
Role: PI

NIH R21-DK077580-01
"Cord Blood Immunoregulation of Type 1
Diabetes"
\$137,300 per year
Funding years: 2006–2009 (no cost
extension)
Role: PI

National Institutes of Health
R21-DK077580-01
"Cord Blood Immunoregulation of
Type 1 Diabetes"
Total award: \$394,580
Funding period: 2006-2008
Time effort: 10%
Role: PI

Lawson Wilkins Pediatric Endocrine
Society
Research Fellowship
Total award: \$35,000
Funding period: 2005 – 2007
Time effort: N/A
P.I. Mark A. Atkinson, Ph.D.
Role: PI

National Institutes of Health
"Characterization & Therapeutic Efficacy
of Insulin-Producing Cells Generated in
vitro from Adult Hepatic Oval Stem Cells"
Total Award: \$350,000
Funding period: 2003-2008
PI: Lijun Yang, M.D., Ph.D.
Mentor: Mark A. Atkinson, Ph.D.

National Institutes of Health
Research Grant
Dendritic Cells and the Prevention of Type
1 Diabetes
R21 63422
Total award: \$435,125
Funding Period: 2002-2004
P.I. Michael Clare-Salzler
Role: co-PI

American Diabetes Association
Research Grant.
Cytokine Gene Therapy for the Prevention
of Insulin Dependent Diabetes.
UF 96022928
Total award: \$200,000.00
Funding period: 2002 – 2004
Time effort: 5%
Role: PI

National Institutes of Health.
Program Project, Research Grant
Immune Function in High and Low Risk
Genotypes in Insulin Dependent Diabetes.
P01AI42288 - 10
Total award: \$5,203,000.00
Funding period: 2001 – 2006 (in no cost
extension)
Time effort: 28%
Role: PI

National Institutes of Health.
National Gene Vector Laboratory
Toxicology Center. Project 1
U42 RR16586
Total award: \$736,539
Funding period: 2001-2006
Time effort: 5%
Role: PI

National Kidney Foundation
Fellowship Training Program
The Role of Heme Oxygenase-1 in
Pancreatic B-cell Survival

Total award: \$82,000.00
Funding period: 2001 – 2003
Time effort: N/A
Role: PI
Fellow trainee: Matthias Kapturczak,
M.D., Ph.D.

Juvenile Diabetes Research Foundation
The JDFI Gene Therapy Center for the
Prevention of Diabetes and it's
Complications at the University of Florida
and the University of Miami
Research Grant
Total award: \$10,600,000.00
Funding period: 2000 – 2005
Time effort: 35%
Role: PI

National Institutes of Health.
Program Project, Research Grant
Recombinant AAV for Correction of
Genetic Abnormalities. Core C –
Immunology/Pathology.
P01DK58327
Total award: \$4,795,690 (PPG)
Total award: \$767,423 (Core)
Funding period: 2000 – 2005
Time effort: 4%
Role: PI

National Institutes of Health
Research Grant
DQB1*0602 Relatives: Mechanisms
Conferring diabetes Protection.
Total award: \$210,967
Funding period: 1999-2002
P.I.: Carla Greenbaum, M.D. (University of
Washington). Subcontract
Time effort: 5%
Role: PI.

Juvenile Diabetes Research Foundation
Research Grant
Cytokine Mediated Gene Therapy for the
Prevention & Reversal of Insulin
Dependent Diabetes
Total award: \$199,686
Funding Period: 1999-2001
Role: PI

Juvenile Diabetes Research Foundation
Research Grant
The Role for B-Lymphocytes in the
Development of Anti-GAD & Anti
Coxsackie Viral Immune Responses in

NOD Mice
Total award: \$192,702
Funding Period: 1998-2000
Role: PI

National Institutes of Health.
Program Project, Research Grant
Immune Function in High and Low Risk
Genotypes in Insulin Dependent Diabetes.
P01AI42288
Total award: \$5,818,473.00
Funding period: 1997-2001
Role: PI

National Institutes of Health
Mechanisms of Immunotherapy in IDD
Prevention Trials
2RO1AI39250
Total award: \$1,094,264.00
Funding period: 1996-2001
Role: PI

Juvenile Diabetes Research Foundation
Research Grant
Insulin Secretion & Lymphocyte Insulin
Receptor Expression: Key Variables to the
Rate of Beta Cell Destruction
Total award: \$98,120.00
Funding Period: 1996-1998
Role: PI

National Dairy Council
Research Grant
The Role of Infant Nutrition in the
Pathogenesis of Insulin Dependent
Diabetes
Total award: \$50,000
Funding period: 1995-1997
Role: PI

National Institutes of Health
Research Grant
Cellular Immunity to Glutamate
Decarboxylase in IDD
R29 DK4532
Total award: \$112,989
Funding Period: 1992-1997
Role: PI

European Patent No. EP 0543945 B1;
**Methods and Compositions for the
Early Detection and Treatment of
Insulin Dependent Diabetes Mellitus;**

Mark A. Atkinson and Noel K. Maclaren:
Date of Patent: October 10, 1996.

U.S. Patent No. 5,645,998; filed May 13, 1994; **Methods and Compositions for the Early Detection and Treatment of Insulin Dependent Diabetes Mellitus**; Mark A. Atkinson and Noel K. Maclaren; Date of Patent: July 8, 1997.

U.S. Patent No. 5,762,937; filed March 28, 1994; **Methods and Compositions for the Early Detection and Treatment of Insulin Dependent Diabetes Mellitus**; Mark A. Atkinson and Noel K. Maclaren; Date of Patent: June 9, 1998.

U.S. Patent 6,001,360; filed June 7, 1995; **Methods and Compositions for the Early Detection and Treatment of Insulin Dependent Diabetes Mellitus**; Mark A. Atkinson and Noel K. Maclaren. Date of Patent: December 14, 1999.
Australian Patent 661,828; filed August 16, 1991; **Methods and Compositions for the Early Detection and Treatment of Insulin Dependent Diabetes Mellitus**; Mark A. Atkinson and Noel K. Maclaren. Date of Patent: May 11, 2000.

U.S. Patent 6,300,089; filed June 6, 1995; **Methods and Compositions for Early Detection and Treatment of Insulin Dependent Diabetes Mellitus**; Mark A. Atkinson and Noel K. Maclaren; Date of Patent: October 9, 2001.

U.S. Patent 7,648,825; filed June 21, 2004; **Biomarkers for Differentiating Between Type 1 and Type 2 Diabetes**; Tamir M. Ellis, Alba E. Morales, Mark A. Atkinson and Clive H. Wasserfall. Date of Patent: January 19, 2010.

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