

May, 2017

**Curriculum Vitae - Pinchas Cohen**

**Dean, USC Leonard Davis School of Gerontology  
Executive Director, Ethel Percy Andrus Gerontology Center  
Holder, William & Sylvia Kugel Gerontology Dean's Chair  
University of Southern California**

**Home Page:** <http://gero.usc.edu/faculty/cohen/>

**Office Address:** 3715 McClintock Avenue, Suite 103, Los Angeles, CA 90089-0191  
Tel: 213-740-1354; e-mail: [hassy@usc.edu](mailto:hassy@usc.edu)

**Citizenship:** US citizen (1998)

**Military Service:** 1975-1978 Israeli Air Force and Medical Corps

**Education:** 1978-1986 M.D., (with highest honors)  
Faculty of Medicine, Technion, Haifa, Israel

**Postgraduate Training and Fellowship Appointments:**

1986-1989 Intern and Resident, Department of Pediatrics,  
Stanford University, Stanford, California

1989-1992 Endocrine/Diabetes Fellow,  
Department of Pediatrics, Stanford, California

**Faculty Appointments:**

1992 Assistant Professor, Department of Pediatrics,  
University of Pennsylvania, School of Medicine, Philadelphia, Pennsylvania

1997 Associate Professor (*with tenure*),  
University of Pennsylvania, School of Medicine

1999 Professor of Pediatrics,  
University of California at Los Angeles, School of Medicine

2012 Professor of Gerontology and Medicine  
University of Southern California

**Administrative Appointments:**

1996-1999	Program Director, Pediatric Endocrinology and Diabetes University of Pennsylvania
1999-2012	Director of Endocrine/Diabetes Research and Training Mattel Children's Hospital UCLA
2001-2012	Chief, Division of Endocrinology and Diabetes Mattel Children's Hospital UCLA
2003-2012	Director, Pilot and Feasibility Core UCLA/UCSD Diabetes Endocrinology Research Center
2007-2012	Co-Director, UCSD/UCLA Diabetes/Endocrinology Research Center (DERC)
2011-2012	Training Director, UCLA-CHRCDA-K12 Child Health Research Career Development Award Program
2011-2012	Vice-Chair of Research, Mattel Children's Hospital UCLA
2012-	Dean, USC Davis School of Gerontology
2012-	Executive Director, Ethel Percy Andrus Gerontology Center, USC

**Specialty Certification:**

1993	Diplomat, American Board of Pediatrics (recertified)
1995	Diplomat, American Board of Pediatric Endocrinology (recertified)

**Licensure:** Medical License - California and Pennsylvania

**Awards, Honors and Membership in Honorary Societies:**

1982	The David and Margaret Rue Award for Outstanding Student
1984	The Israeli Diabetes Foundation Young Investigator of the Year
1985	Technion First prize for MD thesis
1986	Graduated from Medical School with highest honors
1989	Juvenile Diabetes Foundation Fellow
1990	Pediatric Endocrine Society Research Fellow (Lilly Award)
1991	WSPR Young Investigator Research Prize (Ross Award)
1992	Child Health Research Center Investigator
1993	American Diabetes Association Career Development Award
1995	Elected member: Society for Pediatric Research
1996	Voted into "The Best Doctors in America"
1997	Masters of Science (Honorary), University of Pennsylvania
1998	Honorary Member: Japanese Society of Pediatric Endocrinology
2000	Pfeiffer Foundation Research Award
2005	Prostate Cancer Foundation (CaP Cure) Research Award
2006	Elected member: American Pediatric Society (APS)
2007	American Pediatric Society Outstanding Science Award
2008	Awarded the NIA-EUREKA Award
2009	Awarded the NIH-Director Transformative RO1 Award
2010	Stanford University Kroc visiting Professorship
2011	Glenn Award for Research in Biological Mechanisms of Aging
2012	William & Sylvia Kugel Gerontology Dean's Chair at USC
2013	Milken Institute Associate
2014	President, The Growth Hormone Research Society
2016	Association of Gerontology Higher Education Administrative Leadership Award

**Advisory Service and Board Membership:**

1997-2001	Board Member: Association of Program Directors in Endocrinology
1997-2007	Executive Board Member of the International IGF Society
1997-2001	Member LWPES Program Directors Committee
1998-2010	Executive Council Member: Growth Hormone Research Society
1999-2009	Member: Advisory Board for the University of Washington Cancer Program
2002-2005	Member: Endocrine Society Steering Committee
2002-2006	Member LWPES Drugs and Therapeutics Committee
2004-2009	Member: Advisory Board for the European Precocious Puberty Consortium
2006-2009	Member: Advisory Board for the NIA CALERIE study
2009-2014	Member: Advisory Board for the Healthy Aging NIA-PO1 program
2009-2012	Member: National Diabetes Centers Directors Executive Committee
2012-2016	Front Porch Winner Circle Advisory Board
2015-2020	Member, Milken Institute Center for the Future of Aging Advisory Board
2015-	Director, CohBar Inc.
2016-2018	Member, Board of Directors of the American Society of Aging

### **Grant Study Sections**

VA Merit Review Study Section Member 1995-9  
NIH GCRC study section Ad Hoc Reviewer 1995-7  
Doris Duke Foundation Study Section Member 1997-9  
Canadian Cancer Society Study Section Member 2000-2  
NIDDK Urology Special Emphasis Programs 2003-6  
Chair, UCLA/UCSD DERC P&F grant study section 2003-12  
NCI Site visit study section member 2004  
NIA Proteomics and Aging RFA Study Section 2004  
NCI Oncology Cell Tissue Biology PO1 Study Section 2005-9  
NCI Tumor Cell Biology Study Section 2006-8  
NIDDK GI MCB Study Section 2006  
NCI P01 Discovery and Development SEP Study Section 2006  
NIA PO1 Special Study section 2007-10  
NIA NAME study Section 2008-12  
RC1/RC2 reviewer 2009  
AFAR Grant reviewer 2008-2015  
NICHD Special Emphasis panel 2010  
NIA CMAD study Section member 2013-17  
Chair - AFAR Young Investigator Grant Review Committee 2015-2017

### **Congress Organizing Committees**

2<sup>nd</sup> International Symposium on Prostate Growth 1995  
The GRS Consensus Meeting on GHD, Eilat, 1998  
5<sup>th</sup> International IGF Symposium 1999  
The IGF in Cancer Symposium, Boston 1999  
Third International IGFBP Symposium, Sydney Australia 2000  
GH Research Society Meeting Gothenburg 2000  
The GRS Consensus Meeting on GH safety, Keswick 2001  
The 1<sup>st</sup> Joint IGF Society and GH Research Society Meeting Boston 2002  
The Nobel Institute IGFBP Symposium, Stockholm 2003  
The 2<sup>nd</sup> Joint IGF Society and GH Research Society Meeting, Cairns 2004  
The 3<sup>rd</sup> Joint IGF Society and GH Research Society Meeting, Kobe 2006  
Chair: The LWPES/ESPE/GRS Consensus Meeting on ISS, Los Angeles, 2007  
The 4<sup>th</sup> Joint IGF Society and GH Research Society Meeting, Genova, 2008  
Chair: The First Western DERC Awardee Conference, La Jolla 2009  
The 5<sup>th</sup> Joint IGF Society and GH Research Society Meeting, New York, 2010  
Chair: Aging in Asia-Pacific APRU-Meeting, Los Angeles 2013  
The GRS Workshop on GH safety, Manchester 2014  
Co-Chair: The GRS Workshop on Long Acting GH Product Development, Palo Alto 2015

**Membership in Professional and Scientific Societies (and offices held):**

Growth Hormone Research Society (*President 2014*)  
Society for Pediatric Research (elected 1995)  
American Pediatric Society (elected 2006)  
International IGF Society (*Executive Committee Member – 2000-2009*)  
Pediatric Endocrine Society (*Member, Various Committees*)  
Association of Program Directors in Endocrinology (*Board Member for Pediatrics*)  
Endocrine Society (*Member, Various Committees*)  
American Federation for Clinical Research  
American Diabetes Association  
Gerontological Society of America  
AAAS  
American Society of Aging (*Member Board of Directors*)

**Patents:**

- Compositions to prevent and treat type-1 diabetes. US 7,998,928 (**granted 2012**)
- Treatment of Type 2 Diabetes, Metabolic Syndrome, Myocardial Injury and Neurodegeneration with Humanin and Analogs Thereof. US 8,309,525 (**granted 2013**)
- Small humanin-like peptides. WO2009135165-A2, US20110039771, WO2009135165A3
  - SHLP2 for the treatment of diabetes & Alzheimer's. US 8,637,470 (**granted 2014**)
  - SHLP6 for the treatment of cancer. US-2014-0213527-A1 (**pending**)
- Humanin analogues for atherosclerosis (US-2013 0,123,168) (**pending**)
- MOTS-c peptide in metabolism WO2014/144521 (**pending**)
- MENTSH analogues as therapeutics for diabetes, obesity, and their associated diseases and complications (**pending**)

**Founder and Director:** CohBar Inc. A biotechnology company.

**Media Mentions and Appearances:**

New York Times  
Los Angeles Times  
BBC  
Scientific American  
ABC news  
Washington Post  
Fox News  
Medscape  
Bloomberg News

**Editorial Positions:**

Associate Editor	2003-10	<i>Pediatric Research</i>
Associate Editor	2006-10	<i>Growth, Growth Hormone, &amp; Metabolism</i>
Associate Editor	2006-10	<i>PLoS Computational Biology</i>
Associate Editor	2008-12	<i>Journal of Pediatric Endocrinology</i>
Associate Editor	2010-12	<i>Frontiers in Pediatric Endocrinology</i>
Associate Editor	2011-14	<i>International Journal of Genetics and Gene Therapy</i>

**Editorial Board Member:**

1995-97	Growth Regulation
1999-13	Journal of Clinical Endocrinology and Metabolism (3 <sup>rd</sup> term)
1999-14	Growth Hormone and IGF Research (3 <sup>rd</sup> term)
1999-12	Molecular Genetics and Metabolism (3 <sup>rd</sup> term)
2000-01	YourDoctor.com (Diabetes Section Editor)
2001-09	Endocrinology (2 <sup>nd</sup> term)
2001-12	Journal of Pediatric Endocrinology & Metabolism (3 <sup>rd</sup> term)
2001-06	Cancer Biology and Therapy
2001-07	Biocritique
2003-08	Growth and Genetics
2006-12	Journal of Clinical Pediatric Endocrinology (2 <sup>nd</sup> term)

**Reviewer** (Partial list): *New England Journal of Medicine, Lancet, Journal of Clinical Investigation, Journal of Biological Chemistry, JAMA, Journal of the National Cancer Institute (JNCI), Proceedings of the National Academy of Sciences (PNAS), Genes & Development, Diabetes, Molecular Endocrinology, Cancer Research, FASEB, PLoS Biology, Molecular and Cellular biology, Aging Cell, Science.*

**Commentator:** *Yearbook of Pediatrics, Journal of National Cancer Institute, International Growth Monitor, Pediatric Research, Endocrine News, Endocrine today.*

**Academic Committees**

1999-12	UCLA Research Advisory Committee
2000-12	UCLA Comprehensive Diabetes Center Executive Committee
2000-12	UCLA Committee on Appointments and Promotions
2000-11	UCLA General Clinical Research Center Advisory Committee
2003-12	UCSD/UCLA Diabetes & Endocrinology Research Center Executive Committee
2010-12	UCLA CHRCDA Internal Advisory Committee (Co-Chair)
2011-12	UCLA CTSI Committee on Maternal, Child and Adolescent Health
2012-	Provost Research Committee, University of Southern California
2012-	CTSI advisory Committee, University of Southern California
2016-	Chair, Provost Task Force on Lifespan Health and Longevity

**Mentor/PI on Training Grants:** - (total direct costs)

1993-1995 NRSA for L Katz "IGFs in the beta cell" \$66,000  
1995-1996 LWPES fellowship for L Katz "IGF and the beta cell survival" \$35,000  
1996-1999 CAP Award for L Katz "IGFs in the treatment of diabetes" \$270,000  
1996-1997 NRSA for S Weinzimer "IGFBP partners" \$33,000  
1997-1998 LWPES fellowship for S Weinzimer "Cloning IGFBP-3 partners" \$35,000  
1998-1999 CHRC Award for S Weinzimer "Transferrin – IGFBP-3 interactions" \$35,000  
1997-1998 NRSA for A Grimberg "IGFBPs and apoptosis" \$66,000  
1998-1999 LWPES fellowship for A Grimberg "IGFBP-3 mediates p53 effects" \$35,000  
1998-1999 NRSA for R Ferry "IGFBP-3 in the beta cell" \$66,000  
1999-2000 LWPES fellowship for R Ferry "IGFBP-3 in type 1 diabetes" \$35,000  
2000-2001 CHRC Award for R Ferry "IGFBPs in the beta cell" \$50,000  
2001-2006 KO8 Award for R Ferry "Growth factors in beta cells" \$600,000  
1997-1998 NRSA for M Shim "IGFBPs and insulin resistance" \$33,000  
2000-2002 Glaser-GPRN fellowship for M Shim "GH treatment of CP" \$112,000  
1999-2000 NRSA for L Wetterau "Activation of telomerase by IGFs" \$35,000  
2000-2001 LWPES fellowship for L Wetterau "IGFs and telomerase" \$35,000  
2001-2003 Giannini Award for K Lee "TR3 and IGFBP-3" \$80,000  
2003-2005 PSDP for K Bharucha "IGFBPs in the regulation of insulin action" \$140,000  
2003-2005 CHRC for KW Lee "IGFBP-3 and Nur77" \$225,000  
2005-2007 DOD Fellowship Award for L Cobb "IGFBP-3 Phosphorylation" \$180,000  
2005-2006 LWPES fellowship for J Yang "GH-IGF system in IUGR" \$35,000  
2005-2006 LWPES Scholar Award for KW Lee "IGFBP-3 action" \$35,000  
2005-2006 T32 fellowship for R Randhawa "Epigenetics of IGF2 IUGR" \$40,000  
2006-2007 T32 fellowship for J Ching "Humanin in cancer" \$45,000  
2006-2009 DOD Career Development Award for KW Lee "IGFBP-3 in CaP" \$500,000  
2006-2007 ESPE Sabbatical grant for I Netchine "IGF & Fetal growth" \$50,000  
2008-2009 T32 fellowship for J Keni "regulation of humanin kinetics" \$50,000  
2008-2009 NRSA fellowship for P Hoang "Humanin Rx of T1DM" \$50,000  
2009-2010 T32 fellowship for E Hosono "SHLPs in diabetes" \$50,000  
2010-2011 T32 fellowship for B Miyazaki "Novel metabolic effects of MDPs" \$50,000  
2011-2012 T32 fellowship for DC Lee "humanin protection from environmental toxins" \$50,000  
2012-2013 AFAR fellowship for K Yen "Mitochondrial peptides and aging in worms" \$50,000  
2012-2013 PES Award for YP Chin: The mitochondria in diabetes complications \$35,000  
2013-2017 Ellison Foundation New Scholar in Aging for DC Lee "MOTS-c in aging" \$800,000  
2016-2018 AFAR fellowship for S Kim "Humanin regulation of autophagy" \$50,000

**Principal Investigator of Grants:** (Past) - (total direct costs)

1989-1991 Juvenile Diabetes Foundation "IGF-I Therapy in Diabetes" \$60,000  
 1990-1992 American Diabetes Association "IGF-I Treatment of NIDDM" \$70,000  
 1992-1994 CHRC Award "Biological Actions of IGFs" \$70,000  
 1992-1996 NIH NCI RO1 CA58110 "The IGF axis in prostate carcinogenesis" \$500,000  
 1993-1996 NIH 1RO1 DK47591 "IGF axis abnormalities in BPH" \$400,000  
 1993-1996 ADA Career Development Award "The IGF axis in the beta cell" \$300,000  
 1995-1999 FDA-RO1-01181 "IGF-I therapy of Congenital Hyperinsulinism" \$300,000  
 1996-2001 NIH 1P50 HL 56401 "IGFs in Lung Development and BPD" \$780,000  
 1996-2001 NIH 2RO1 DK47591 "IGF Axis Abnormalities in BPH" \$580,000  
 1999-2002 ACS TPRN-N5 "IGFBP-3 in Prostate Apoptosis" \$225,000  
 2000-2002 Pfeiffer Foundation "*In vitro* Models of Prostate Cancer" \$75,000  
 1999-2002 JDFI "Novel Approaches to Preventing Diabetes Complications" \$300,000  
 1999-2003 DOD CS-22982 "Signaling pathways in Prostate Cancer" \$480,000  
 1998-2003 NIH 1RO1 AI40203 "The IGF axis in asthma" \$750,000  
 1999-2003 CaP CURE Award "The IGF/IGFBP-3 axis in CaP" \$300,000  
 2000-2003 NIH SBIR Award (with Celtrix Inc) "IGFBP-3 Therapy of Cancer" \$300,000  
 2001-2003 Cerebral Palsy Foundation "GH therapy in Cerebral Palsy " \$100,000  
 2000-2004 NCI UO1-CA 84128 "Novel Models of Prostate Cancer" \$360,000  
 2001-2004 P30 AG16570 UCLA Alzheimer's Center "Pilot Project on humanin" \$30,000  
 2001-2004 PNU "GEM Research Center Grant" \$300,000  
 2001-2005 Novo Nordisk "IGF-based dose titration of GH " National PI \$100,000  
 2005-2007 NIH R21 CA 121220 Humanin in Prostate Cancer \$300,000  
 2001-2006 NIA R01AG20954 Genomic and non-genomic actions of IGFBP-3 \$900,000  
 2006-2009 Pfizer "GH Rx of a mouse model of SGA " \$100,000  
 2006-2009 Eli Lilly "Development of a D3GHR Chemotyping assay " \$100,000  
 2006-2009 Amgen "IGF1R blockade in prostate cancer " \$200,000  
 2006-2008 JDRF Idea Development "Prevention of diabetes with humanin" \$125,000  
 2003-2008 1R01CA100938 "IGF-I: a nutritionally regulated target in prostate cancer" \$1,000,000  
 2005-2008 DOD PC050485 "Humanin: a novel therapeutic target in prostate cancer" \$375,000  
 2008-2010 Genentech Foundation "Proteomic Discovery of GH-dependent markers " \$100,000  
 2004-2010 R01HD047013 "Role of IGF2 in Fetal Growth Restriction " \$1,500,000  
 2002-2018 NCI P50CA92131 (Project PI) "SPORE in Prostate Cancer" \$1,500,000  
 2003-2017 NIDDK 2P30DK063491 (Co-PI) Diabetes Research Center \$9,000,000  
 2007-2012 NIA 1P01AG027734 (Project PI) "GH & IGF exceptional longevity" \$500,000  
 2006-2016 K12 HD034610 (Training Director) UCLA CHRC \$4,000,000  
 2011-2013 NIDDK 1R21DK089447 "Humanin and Type 2 Diabetes" \$250,000  
 2011-2013 Glen Foundation PC441372 "Mitochondrial Peptides in Aging" \$60,000  
 2009-2014 NIA 1R01AG 034430 (EUREKA Award) "MDPs in aging" \$800,000  
 2009-2014 NIA 1R01AG 035114 "Regulators of Glucose Homeostasis in Aging" \$100,000  
 2009-2016 NIGMS 1R01GM 090311 (Transformative-RO1 Award) \$2,000,000  
 2011-2016 NIEHS 5R01ES020812 (MDPs as Biomarkers of Environmental Toxins) \$1,250,000



**Principal Investigator of Grants:** (Active)

- 2011-2017      **NIA 1P01AG034906**  
PI: V. Longo (USC). Dr. Cohen is Co-PI  
“Dietary Restriction, GH/IGF-I & Mechanisms of Differential Cellular Protection”  
Dr. Cohen leads a project on IGF in aging  
Total direct costs: \$6,500,000. Total costs of Dr. Cohen’s project: \$1,125,000
- 2013-2018      **NCI P50CA92131**  
PI: R Reiter (UCLA).  
“SPORE in Prostate Cancer”  
Cohen is Co-PI of Project-4 "Dietary interventions in Prostate Cancer"  
Total direct costs: \$7,000,000.

**Students and Post-Doctoral Fellows Supervised**

1992-1999 University of Pennsylvania

1999-2012 UCLA

2012- USC

\*Denotes – trainee received independent funding post-training

Trainee's Name	Degree	Institution	Year	Position in Cohen Lab	Years supervised	Funding Source	Current Position
Lorraine Katz*	M.D.	Columbia U.	1989	Fellow	1992-1996	LWPES	Prof U Penn
Michael Agus*	M.D.	U Penn	1995	Med student	1994-1995	NIH	Prof Harvard
Paulo Solberg*	M.D.	U S. Paulo	1991	Fellow	1994-1997	Gen. F.	URD (Assoc. Prof)
Tara Beers*	Ph.D.	U Penn	1998	PhD student	1995-1998	T32	Medical writer
S Weinzimer*	M.D.	Yale	1992	Fellow	1995-1998	LWPES	Yale (Assoc. Prof)
A. Grimberg*	M.D.	Cornell	1992	Fellow	1996-1999	LWPES	Penn (Assoc. Prof)
Robert Ferry*	M.D.	UT	1994	Fellow	1997-2000	LWPES	UTSA (Asso. Prof)
Melanie Shim*	M.D.	Stanford	1995	Fellow	1999-2001	GPRN	Adj-Pro UCLA
L Wetterau*	M.D.	UCLA	1995	Fellow	1999-2001	LWPES	Kaiser
M Moore*	M.D.	UCLA	2002	Med student	1999-2002	STAR	Prof Indiana U
Malik Francis*	B.Sc.	UCLA	2000	PhD student	2000-2004	NIH	Fellow Berkeley
Kuk-Wha Lee*	MD PhD	Loma Linda	1997	Fellow	2000-2003	Giannini	Prof UCLA
K Bharucha*	MD PhD	Yale	1998	Fellow	2002-2005	PSDP	Genentech
Maaria Ikonen*	Ph.D.	Kuopio U	2002	Post-Doc	2002-2005	FISC	As Pr Kuopio
Omar Ali*	M.D.	KEMC	1996	Fellow	2002-2006	NIH	Prof U Wisc
Patty Park	M.D.	NY Med Col	2000	Fellow	2003-2006	G Foun	Ass Prof LIJ
Makoto Anzo*	M.D.	Keio	1992	Post-Doc	2003-2006	NIH	Prof Keio
Joshua Yang	M.D.	Texas Tech	2000	Fellow	2003-2006	LWPES	USF adj prof
Kenichi Miyako	MD PhD	Fukuoka U.	1999	Post-doc	2004-2007	NIH	Prof Kyushu
R. Randhawa	M.D.	Loma Linda	2001	Fellow	2004-2007	LWPES	Kaiser
Laura Cobb*	Ph.D.	Cambridge	2004	Post-Doc	2004-2007	DOD	CohBar
John Ching	M.D.	U Penn	2002	Fellow	2005-2008	T32	TH&C
Hae Soon Kim*	M.D.	Seoul U.	1980	Sabbatical	2005-2006	NIH	Professor EU
S. Koyama	M.D.	Tokyo U.	2000	Post-Doc	2006-2009	NIH	As Prof TU
Irene Netchine*	M.D.	INSERM	1990	Sabbatical	2006-2007	INSERM	Prof, INSERM
Phuong Hoang	M.D.	HoChiMin U	1994	Fellow	2006-2009	T32	As Pr LMU
Haruo Mizune	MD PhD	Nagoya U.	1996	Post-Doc	2007-2008	NIH	Chiba Prof
Jyotsna Keni	M.D.	UCLA	2005	Post-Doc	2007-2010	T32	UCLA adjunc

<b>Trainee's Name</b>	<b>Degree</b>	<b>Institution</b>	<b>Year</b>	<b>Position in Cohen Lab</b>	<b>Years supervised</b>	<b>Funding Source</b>	<b>Current Position</b>
I. Hernandez*	M.D.	U of Chile	2000	Post-Doc	2007-2008	NIH	As Pr Chile
Pauli Yamada*	Ph.D.	UA	2007	Post-Doc	2007-2010	NIH	U Hawaii assist pr
Ed Hosono	M.D.	J. Hopkins	2005	Fellow	2008-2011	T32	As Pr USF
Hayoung Park	B. Sc.	UCAL	2009	M Student	2007-2009	NIH	UCLA resident
Brian Miyazaki	M.D.	UCLA	2006	Fellow	2009-2012	T32	USC (Asst. Prof)
Qinglei Gao*	MD PhD	Beijing U	2003	Post-doc	2010-2012	NIH	Tongji U. Prof
YP Chin	M.D.	UT SW	2007	Fellow	2010-2012	T32	UCLA (Asst. Prof)
David Lee*	Ph.D.	USC	2010	Post-Doc	2010-2012	T32	USC (Asst. Prof)
G. Alvarez	M.D.	USC	2008	Fellow	2011-2013	T32	USC (Asst. Prof)
Kelvin Yen*	Ph.D.	U Mass	2010	Post-Doc	2011-2013	AFAR	USC (Asst. Prof)
Su-Jeong Kim	Ph.D.	Seoul NU	2013	Post-Doc	2013-2016	NIH	USC (fellow)
Joyce Xiao	B.Sc.	UC London	2013	Pre-Doc	2013-2017	NIH	USC (student)
Baiyang Liu	B.Sc.	Beijing U	214	Pre-Doc	2015-2017	NIH	USC (student)

**Major Invited Lectures:**

- Feb 1992 WSPR. Carmel, California. David W. Smith Award Lecture:  
"IGF-II Hyper-expression in Prostate Fibroblasts from BPH Patients".
- May 1992 Lawson Wilkins Society Meeting. Baltimore, Maryland. Lilly Award Lecture:  
"Effects of IGFBPs on Cell Growth".
- May 1993 The National Meeting of the Spanish Endocrine Society. Seville, Spain.  
"Growth Hormone Receptor Deficiency".
- May 1994 Workshop on GH and Catabolic Illness. Nice, France.  
"Which actions of growth hormone are mediated by IGF-I and which are not".
- Oct 1995 3<sup>rd</sup> International Symposium on IGFBPs. Tübingen, Germany.  
"IGFBP proteases - functional regulators of cellular growth".
- Sep 1996 NIH Research Festival Symposium. Bethesda MD.  
"Regulation of cell growth and death by IGFBPs"
- Mar 1997 Invited lecturer: Parapathetic Club.  
"IGFBPs as cell regulators".
- Apr 1997 NIH Conference on Assessment of the GH/IGF-I axis in aging, Wash. DC.  
"IGFBP-3 and prostatic neoplasia"
- Jun 1998 Endocrine Society Plenary Symposium. New Orleans LA.  
"Cell Regulatory Function of IGFBP-3"
- Aug 1998 Cap CURE Annual Meeting. Lake Tahoe, CA  
Lecture: "Novel aspects of prostatic IGF Biology"
- Sep 1999 The First International Symposium on GH, IGF, and Cancer, Boston.  
Lecture: "Cancer risk-reduction by Monitoring IGF-I during GH therapy"
- May 2000 The GRS consensus meeting on Growth Hormone Safety, Keswick VA.  
Lecture: "Epidemiology of GH and Cancer:"
- Sep 2000 Cap CURE Annual Meeting. Lake Tahoe, CA  
Lecture: "IGFBP-3: a potential therapy for cancer"
- Nov 2000 ICE 2000, Sydney Australia.  
Lecture: "GH, IGF and diabetes: safety implications for clinicians"
- May 2001 International Growth Symposium, Cancun, Mexico.  
Lecture: "What are IGFBPs doing in the nucleus?"
- May 2002 NIH meeting on GH, IGF and Aging.  
"Role of the GH-IGF-IGFBP system in carcinogenesis".
- Dec 2002 NCI Prostate SPORE Annual meeting, San Francisco.  
"IGFBP-3 and its Role in Prostate Cancer".

- Apr 2003 NIH apoptosis and aging workshop, Bethesda MD.  
Lecture: "intra-nuclear roles of IGFBP-3 in apoptosis"
- May 2003 SPR meeting, Seattle, WA, Plenary Symposium on peri-natal origins of disease.  
Lecture: "implications of early childhood growth on adult cancer risk"
- Aug 2003 The Fifth International IGFBP Symposium, Stockholm, Sweden.  
Plenary Lecture: "The Ying and Yang of IGFBP-3"
- Nov 2003 Gerontological Society of America Annual Meeting, San Diego, CA.  
Lecture: "IGF and longevity in humans"
- Dec 2003 The Annual Meeting of the Asian Endocrine Society, Singapore.  
Plenary Lecture: "Clinical and molecular aspects of the IGFBPs"
- Jun 2004 Annual Somatomedin Club, New Orleans, LA  
Keynote Lecturer: the year in IGF science
- Jun 2004 Transpacific Lecture, Satellite Symposium to ENDO2004 New Orleans, LA  
Lecture: "Humanin – a new growth factor"
- Jan 2005 Gordon Research Conference Ventura CA  
"Mechanisms of action of IGFBPs"
- Jun 2005 Endocrine Society Annual Meeting Symposium. San Diego, CA  
"IGF-based Dosing Optimizes the Efficacy of GH Therapy"
- Jul 2005 NICHD grantee meeting, Bethesda MD  
Lecture: "IGF2 epigenetics and fetal growth"
- Jan 2006 Gordon Research Conference on Aging Ventura CA  
"IGF-related molecules in longevity and aging"
- Jan 2006 SPORE Annual Meeting, Houston Texas  
"Mechanisms of IGFBP-3 actions as an anti-prostate cancer agent"
- May 2006 NIH Conference on Nuclear Receptors and Aging  
Lecture: "IGFBP-3 interactions with nuclear receptors"
- Nov 2006 4<sup>th</sup> International Joint Meeting of the GRS and IGF-Society, Kobe, Japan  
"Chemotype: The Interface Between Genotype and Phenotype"
- May 2007 American Pediatric Society Annual meeting, Toronto CA  
APS Best Science Award Lecture: "Unraveling the functions of IGFBPs"
- Jun 2007 Endocrine Society Annual meeting, Toronto CA  
Plenary Lecture: "The GH IGF axis in aging and Longevity"
- Dec 2007 AFAR symposium on Aging. Genome maintenance, and Metabolism  
Lecture: "Growth factors, aging, and cancer"
- May 2008 LWPES/PAS Annual Meeting, Honolulu Hawaii  
Lecture: Consensus Statement on ISS

- Oct 2008 15<sup>th</sup> Prostate Cancer Foundation Meeting, Lake Tahoe  
IGFs Integrate Genetic and Environmental Signals to Control Longevity and Health
- Mar 2009 IMED Seminar Series UCLA  
Novel Mitochondrial Derived Peptides in Health and Disease
- Apr 2009 Milken Institute Global Conference  
Lecture: Strategies for enhancing health span and life span
- Sep 2009 ESPE/LWPES Joint Meeting, New York  
Plenary Lecture: GH, IGF, Aging and Longevity
- Sep 2009 Annual AFAR meeting, Santa Barbara  
Keynote Lecture: Mitochondrial-derived peptides: retrograde signals for metabolism
- Mar 2010 The Kroc Professorship and Lecture, Stanford University  
Lecture: Mitochondrial Peptides in Health and Disease
- May 2010 FDA Advisory Panel for EGRIFTA (Tesamorelin, a GHRH analogue), Rockville MD  
Presentation: Managing Risks Associated with IGF-I Elevations
- Jun 2010 The Glenn Symposium on Aging, Harvard University  
Lecture: Novel Mitochondrial Peptides and their role in aging
- Aug 2010 Gordon Research Conference on the Biology of Aging, Les Diablerets, Switzerland  
Lecture: Longevity: insulin versus IGF pathways
- Nov 2010 National Diabetes Centers Director Meeting, NIH  
Lecture: State of the Art: Pilot and Feasibility Grants
- Mar 2011 International Symposium on IGF, GH, and Ghrelin – Orlando FL  
Lecture: Use of Growth Hormone in non-pituitary disorders
- Mar 2011 Cell Symposia – Metabolism and Aging – Cape Cod MA  
Lecture: A novel family of mitochondrial-derived peptides in their role in Metabolism
- Jun 2011 Endocrine Society Annual Meeting, Boston MA - Plenary Lecture  
Lecture: Humanin, MDPs, and the Expanding Role of the Mitochondria
- Oct 2011 Serono Symposium, Buenos Aires, Argentina - Plenary Lecture  
Lecture: The mitochondria as an endocrine organelle
- Nov 2011 AFES Meeting, Ho Chi Minh City, Vietnam - Plenary Lecture  
Healthy aging as a “cradle to grave” phenomena integrating genetics & lifestyle
- Feb 2012 Gordon Research Conference on Aging, Ventura CA  
Lecture: “The role of the Mitochondria in Aging”
- Mar 2012 New Approaches to GH Treatment Meeting, Nice France  
Lecture: “Personalized Medicine for GH: IGF-based Dosing”
- Mar 2012 ANSWER Investigator meeting, Dallas TX  
Lecture: “Optimizing Pharmaco-economics of Growth Hormone Therapy”

- Mar 2012 AACE Annual meeting, Philadelphia PA  
Lecture: "GH safety revisited 2012: Beyond SAGhE"
- Jun 2012 Glen Foundation Annual Meeting, Santa Barbara CA  
Lecture: "Humanin and aging"
- Jun 2012 Endocrine Society Annual Meeting  
Lecture: "IGF-based GH dosing is Dose Sparing and Safety-Enhancing"
- Jun 2012 Peking University, Institute for Population Health  
Lecture: "Healthy Aging in the 21<sup>st</sup> Century"
- Nov 2012 Gerontological Society of America Annual Meeting, San Diego  
Lecture: "Complex Relationships between growth hormone and aging"
- Nov 2012 World Congress on Insulin Resistance, Studio City  
Lecture: "Humanin: a novel anti-diabetic, atherosclerosis-preventing peptide"
- Mar 2013 European Society of Bio-gerontology, Dead Sea, Israel  
Lecture: "Mitochondrial Peptides and aging"
- Apr 2013 Milken Institute Global Conference, Los Angeles CA  
Lecture: "The Longevity Economy – Riding the Demographic Wave"
- May 2013 Society of Pediatric Research, Wash DC  
Lecture: "Consensus Statements and Guidelines for GH therapy"
- May 2013 USC Global Conference, Seoul, Korea  
Lecture: "Challenges and Opportunities for aging in Asia"
- June 2013 IAGG, Seoul, Korea  
Lecture: "humanin like peptides in aging and longevity"
- July 2013 Yamano College, Tokyo Japan  
Lecture: "The Science of Aesthetics and Aging"
- Oct 2013 Bloomberg Longevity Economy Conference, New York  
Lecture: "Opportunities in Personalized Aging"
- Nov 2013 NIH Common Fund High Risk-High Reward Symposium, Bethesda MD  
Lecture: "Mitochondrial peptides and their roles in health and disease"
- Nov 2013 Gerontological Society of America Annual Meeting, New Orleans  
Lecture: "Humanin: a new GH-dependent regulator of Aging"
- Mar 2014 Milhaupt Symposium of The PLATO Society, Los Angeles  
Lecture: "Longevity in the 21<sup>st</sup> Century"
- Mar 2014 The National Lipid Association Meeting, Maui  
Lecture: "Mitochondrial Peptides as Therapeutic Targets in Atherosclerosis"
- Apr 2014 Milken Institute Global Conference, Los Angeles CA  
Lecture: "Personalized Aging"

- Jun 2014 American Aging Association 43<sup>rd</sup> Annual Meeting, San Antonio, Texas  
Lecture: "Translational Aspects of Mitochondrial Peptides in Aging"
- Oct. 2014 The Brazilian Endocrine Society, Curitiba  
Lecture: "Humanin is regulated by (and regulates) the GH-IGF axis"
- Nov. 2014 The Israel Alzheimer's Symposium  
Lecture: "The mitochondria in AD"
- Jan. 2015 The Beckman Institute for Macular Research Annual Meeting  
Lecture: "Mitochondrial Peptides - Drug Candidates for AMD"
- Mar 2015 The Gordon Conference on Oxidative Stress  
Lecture: "Mitochondrial-Derived Peptides in Diseases of Aging"
- Mar 2015 Endocrine Society Annual Meeting  
Lecture: "ISS – What it is and what it is not"
- Apr 2015 Milken Institute Global Conference, Los Angeles CA  
Lecture: "Prescription for Wellness: Extending Our Health Span"
- May 2015 HUP-CHOP Endocrine Grand Rounds, Philadelphia PA  
Lecture: "MOTS-c in Diabetes"
- Jun 2015 AGE Annual Meeting, Marina del Rey, CA  
Lecture: "Advancing Translation in Aging Research"
- Jun 2015 Gavin Herbert Eye Institute *Bench to Bed* Symposium, Irvine, CA  
Lecture: "Mitochondrial Peptides in Macular Degeneration"
- Oct 2015 USC Global Conference, Shanghai, China  
Lecture: "Personalized Aging: The Nexus of Digital Technology and Genomic Science"
- Oct 2015 IAGG, Chiang Mai, Thailand  
Lecture: "Enhancement of Healthspan by humanin"
- Dec 2015 Glenn Symposium, Einstein, New York.  
Lecture: "Mitochondrial Peptides in Aging and Longevity"
- Feb 2016 Cedars Sinai Grand Rounds, Los Angeles.  
Lecture: "Harnessing the Mitochondria to Treat Cancer"
- Mar 2016 Milken Institute Public Health Summit  
Lecture: "A future of Healthy Aging"
- May 2016 NHLBI/NIDDK Mitochondrial Biology Symposium.  
Lecture: "Mitochondrial Peptides and their role in metabolic processes"
- Aug 2016 Rejuvenation Biotechnology Conference, Novato, Ca.  
Lecture: "Utilizing Mitochondrial Peptides to Extend Healthspan"
- Sep 2016 International Congress of Endocrinology, Beijing China.  
Lecture: "The mitochondria in Aging"



- Nov 2016 American Physiological Society Integrative Biology of Exercise, Phoenix, AZ.  
Lecture: "Mitochondrial Peptides Regulates Energy Homeostasis"
- Nov 2016 APPEP-JSPE Meeting, Tokyo, Japan.  
Lecture: "The Future of Growth Hormone Therapy"
- Jan 2017 Keystone Symposia on Omics Strategies to Study the Proteome  
Lecture: "Mitochondrial ORFomics and peptidomics"
- Mar 2017 National Institute of Environmental Health Sciences Keystone Lecture  
Lecture: "The Mitochondria and the Environment"
- Mar 2017 2<sup>nd</sup> Interventions in Aging Conference, Cancun  
Lecture: "New Insights into the Mitochondria and aging"
- Mar 2017 Gordon Research Conference, Ventura  
Lecture: "Interface between the IGF axis and the Mitochondria"
- May 2017 Milken Institute Global Conference, Los Angeles CA  
Panel Discussion with Francis Collins and Elizabeth Blackburn: "Living to A healthy 100"
- May 2017 Keystone Symposia on Mitochondria, Metabolism, and the Heart  
Lecture: "Mitochondrial-Derived Peptides and their Role in Vascular Disease"

**Bibliography (comprising an h-index of 77 and an i10 index of 218):**

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