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August 5, 2010

Curriculum Vitae

Personal Information:

Date of birth: June 3, 1960

Place of birth: Glen Cove, NY

Languages: Spanish, Russian, French, Italian, German, and some Tagalog, Japanese and Dutch

Education:

Culver Military Academy, Culver, IN, 1974-1978

Honors: Valedictorian, National Merit Scholarship, Regimental Executive Officer, ROTC Medal, Honor Council, Varsity Crew, Honors in Mathematics, History, and French

Yale University, New Haven, CT, 1978-1982

B.S. and M.S., Molecular Biophysics and Biochemistry, 1982
Honors: Summa Cum Laude, Phi Beta Kappa, Distinction in the Major

University of California, San Francisco, CA, 1982-1989

M.D. and Ph.D. in Microbiology and Immunology, 1989
Honors: Alpha Omega Alpha, Chancellor's Fellowship, Dean's Prize for Student Research

Clinical Training:

Resident in Internal Medicine, Kaiser Foundation Hospital, San Francisco, CA, June 26, 1989-June 25, 1990 (program chairman Dr. Paul Feigenbaum)

Resident in Ophthalmology, University of California, San Francisco, CA, July 1, 1990-June 30, 1993 (program chairman Dr. Stephen Kramer)

Medical Licensure:

California Physician and Surgeon License #G-069615 (expires 6/2010)

Washington State Physician and Surgeon License #MD00031327 (expired 6/1999, not renewed)

DEA #BC2432689 (expires 8/2012)

UPIN #F51576

Medi-Cal #00G696150

Board Certification:

Board Certified, American Board of Ophthalmology, 1994 (1st attempt).
Recertified 2004 (1st attempt). Recertification effective January 1, 2005,
Expiration December 31, 2014. Maintenance of Certification up-to-date to 2011.

Faculty positions:

Associate Clinical Professor of Ophthalmology, Family and Community Medicine,
University of California, San Francisco, 2005-present

Assistant Clinical Professor of Ophthalmology, University of California, San Francisco,
1995-present

Clinical Instructor of Ophthalmology, University of California, San Francisco, 1993-1995

Clinical Practice:

Private practice in Comprehensive Ophthalmology in association with Alejandro Zaffaroni, M.D., 1580 Valencia St., Suite 106, San Francisco, CA, 94110, from August 1, 1993 to June 30, 1997; and solo in same location from July 1, 1997 to January 31, 2001. Practice moved to 3201 Mission Street on February 1, 2001.

Practice emphasizes small-incision cataract surgery, glaucoma, and diabetic retinopathy.

Introduced the following techniques to San Francisco:

- 1994 Cataract surgery through clear corneal incision
- 1994 Cataract surgery with topical anesthesia
- 1995 Excimer laser phototherapeutic keratectomy (PTK)
- 1995 Computerized corneal topography for biometry and IOL calculation
- 1995 Combined astigmatic keratotomy and cataract surgery
- 1996 Lissamine green for diagnosis of external eye disease
- 1997 Infrared laser diopexy for peripheral retinal lesions
- 1998 Scanning laser polarimetry for early diagnosis of glaucoma
- 1998 Implantation of FDA-approved multifocal lens implants
- 1999 Limbal relaxing incisions for astigmatism with cataract surgery
- 2000 Implantation of second-generation acrylic lens implant
- 2000 Optical coherence biometry for IOL calculation
- 2001 Automated subjective refractometry with Marco Epic workstation
- 2001 Viscoadaptive (Healon 5) for cataract surgery
- 2002 Scanning laser polarimetry with corneal compensation
- 2004 High-resolution frequency doubling perimetry
- 2005 Pterygium graft with tissue glue
- 2005 Intravitreal Avastin for high-risk diabetic retinopathy
- 2007 In-office carotid ultrasonography for patients with retinal vascular disease
- 2009 Anterior segment frequency-domain optical coherence tomography

Administrative Experience:

U.S. Dept. of Health & Human Services, Center for Medicare and Medicaid Services:

California Medicare Carrier Advisory Committee, 1996-2004. Helped author Local Medicare Review Policies on cataract surgery, ptosis repair, scanning computerized optic disk imaging.

State of California, Department of Mental Health

Expert Reviewer, Mental Health Services Act County Implementation Plans, 2006

County of San Mateo, California, Department of Mental Health

Chair, Children and Youth Committee, San Mateo County Mental Health Board, 2005-2007

Co-Chair, Children's Workgroup, Mental Health Services Agency Implementation Task Force (Proposition 63), 2005

Steering Committee, Mental Health Services Agency Implementation Task Force (Proposition 63), 2005

American Academy of Ophthalmology:

Health Policy Committee, 2004-2008

Task Force on Subspecialty Certification, 2003-2004

Executive Council, 2003-2008

Executive Council (alternate), 2002-2003, 2010

Executive Council Nominating Committee, 2005-2006

Executive Council Deputy State Section Leader, 2007

Author of Executive Council Advisory Recommendation establishing a curriculum for training residents in Ethics and Advocacy, adopted as official AAO policy 2003

Legislative Key Contact, 2000-present

Leadership Development Program, 2000-2001

California Academy of Eye Physicians and Surgeons (formerly California Academy of Ophthalmology):

President, 2010

Vice-President for Finance and Administration, 2005-2006

Chief Financial Officer, 2004-2005

Executive Committee, 2004-2006

Vice President for Third Party Payor Liaison, 1998-1999

Board of Councilors, 2006-present

Assistant Vice President for Third Party Payor Liaison, 1996-1997, 2000-present

Legislative Rapid Response Team, 2000. Successfully negotiated California Senate Bill 929, governing optometric scope of practice.

Board of Directors, 1998-2006, 2008-present

California Medical Association:

Chair, Reference Committee on Insurance and Physician Reimbursement, 2007

Reference Committee on Insurance and Physician Reimbursement, 2004-2005

House of Delegates (Alternate), 2002-present

Author of CMA House of Delegates Resolutions 703a-04 (Prescription Drug Re-Importation from Canada) and 704a-04 (Prescription Drug Prices and Medicare), adopted as official CMA policy 2004

Author of CMA House of Delegates Resolution on Educating Primary Care Physicians on Developmental Disorders, adopted as official CMA policy 2005

American Medical Association:

Guest Participant, RVS Update Committee, 2003

Author of AMA House of Delegates Resolution A04-211 (Prescription Drug Prices and Medicare), adopted as official AMA policy 2004

Author of AMA House of Delegates Resolution A05-419 (Physician Education On Developmental Disorders), adopted as official AMA policy 2005

Medical Board of California:

Medical Expert in Ophthalmology, 1999-present

American Board of Ophthalmology:

Associate Examiner, 1997-present.

San Francisco Medical Society

Board Member, 2009-present

Political Action Committee Board Member, 2009-present

Political Action Committee Chair, 2011

Prevent Blindness Northern California (formerly Northern California Society to Prevent Blindness)

Chairman-Elect, 2010 (To be Chairman 2011-2012)

Board Member, 1993-1999, 2004-present

Political Action Committee Board Member, 2009-present

Nominating Committee, 1997

Eye Safety Committee, 1998

St. Luke's Hospital:

Chief, Division of Ophthalmology, 1995-1999, 2001- 2010

Institutional Review Board, 1996-2008

Surgical Quality Improvement Committee, 1995-1999

Operating Room Committee, 1995-1997

Pacific Eye Physicians Medical Associates:

President, 1997-1999. Served as CEO of Bay Area's largest ophthalmology IPA, with over 200 ophthalmologists. Administered medical-surgical eyecare contracts covering 65,000 patient lives.

Secretary, 1995-1997

Board of Directors, 1994-present

University of California, San Francisco:

Search Committee for Chief of Ophthalmology, VA Hospital, 2004-2005

Buena Vista Specialty Medical Group:

Board of Directors, 1997-1999

Chairman, Credentials Committee, 1996-1999

Frederick C. Cordes Eye Society:

Treasurer, 1999-2002

Archives of Ophthalmology:

Reviewer, 2004

Admitting Privileges:

CPMC-St. Luke's Hospital, San Francisco, CA -- active

California Pacific Medical Center, San Francisco, CA -- courtesy

University of California, San Francisco, CA -- attending

UCSF/Mt. Zion Hospital, San Francisco, CA -- courtesy

San Francisco General Hospital, San Francisco, CA -- courtesy

St. Mary's Hospital, San Francisco, CA -- courtesy

CPMC/Davies Medical Center, San Francisco, CA -- courtesy

Seton Medical Center, Daly City, CA – courtesy

Campus Surgery Center, Daly City, CA – active

Awards and Scholarships:

American Academy of Ophthalmology Achievement Award, 2009

Edwin E. Osgood Award: best student research in Western United States, 1988

Genetics Subspecialty Award: best student research in genetics in Western United States, 1988

NIH Medical Scientist Training Program, 1982-1989

Fred Gellert Foundation Scholarship 1986

Achievement Rewards for College Scientists Foundation Scholarship 1985-1988

Markey Foundation Scholarship 1984-1988

Howard Hughes Medical Institute Summer Research Fellowship 1983

Yale University Summer Research Fellowship 1982

Temple University Summer Research Fellowship 1979-1981

Publications:

1. Charles P. Ordahl, Thomas Cooper, Catherine E. Ovitt, James A. Fornwald, Andrew F. Calman, and Arnold I. Caplan. "Molecular cloning and analysis of genes regulated during embryonic muscle differentiation." In *Muscle Development: Molecular and Cellular Control*, edited by Mark L. Pearson and Henry F. Epstein. New York: Cold Spring Harbor Press (1982), pp. 225-236.

2. Pamela S. Ohashi, Tak W. Mak, Peter van den Elsen, Yusuke Yanagi, Yasunobu Yoshikai, Andrew F. Calman, Cox Terhorst, John D. Stobo, and Arthur Weiss. "Reconstitution of an active surface T3/T-cell antigen receptor by DNA transfer." *Nature* 316:606-609 (1985).

3. Andrew F. Calman and B. Matija Peterlin. "Expression of T cell receptor genes in human B cells." *J. Exp. Med.* 164:1940-1957 (1986).

4. Kate E. Sullivan, Andrew F. Calman, Mikiye Nakanishi, Sue Y. Tsang, Yao Wang, and B. Matija Peterlin. "A model for the transcriptional regulation of MHC class II genes." *Immunol. Today* 8:289-293 (1987).
5. Andrew F. Calman and B. Matija Peterlin. "Mutant human B cell lines deficient in class II MHC transcription." *J. Immunol.* 139:2489-2495 (1987).
6. Shaw-Yi Kao, Andrew F. Calman, Paul A. Luciw, and B. Matija Peterlin. "HIV-1 *trans*-activator (*tat*) functions as a transcriptional anti-terminator." *Nature* 330:489-493 (1987).
7. B. Matija Peterlin, Andrew F. Calman, Paul A. Luciw, Mark Selby, and Shaw-Yi Kao. "The mechanism of HIV-1 *trans*-activation." In *Retroviruses of Human AIDS and Related Animal Diseases*, edited by M. Girard and L. Valette. Lyon, France: Fondation Marcel Merieux (1987), pp. 85-89.
8. B. Matija Peterlin, Andrew F. Calman, Shaw-Yi Kao, Mark J. Selby, Sandra E. Tong-Starksen, and Paul A. Luciw. "Transcriptional regulation of human immunodeficiency virus type 1." In *Vaccines '88*, edited by H. Ginsberg, F. Brown, R. A. Lerner, and R. M. Chanock. New York: Cold Spring Harbor Press (1988), pp. 283-290.
9. Andrew F. Calman, Michael P. Busch, Girish N. Vyas, Thomas M. McHugh, Daniel P. Stites, and B. Matija Peterlin. "Transcription and replication of human immunodeficiency virus-1 in B lymphocytes *in vitro*." *AIDS* 2:185-193 (1988).
10. B. Matija Peterlin, Andrew F. Calman, Shaw-Yi Kao, Mark Selby, Sandra Tong-Starksen, and Paul A. Luciw. "Activation and *trans*-activation of human immunodeficiency virus type 1." In *The Control of Human Retrovirus Gene Expression*, edited by B. R. Franza, Jr., B. R. Cullen, and F. Wong-Staal. New York: Cold Spring Harbor Press (1988), pp. 45-57.
11. Andrew F. Calman and B. Matija Peterlin. "Evidence for a *trans*-acting factor that regulates the transcription of class II major histocompatibility complex genes: genetic and functional analysis." *Proc. Natl. Acad. Sci. USA* 85:8830-8834 (1988).
12. Andrew F. Calman and B. Matija Peterlin. "Transcriptional regulation of HLA class II genes: *cis*-acting elements and *trans*-acting factors." In *Molecular Biology of HLA Class II Antigens*, edited by Jack Silver. Boca Raton, Florida: CRC Press (1990), pp. 225-246.
13. Robert T. Lee, Craig L. Peterson, Andrew F. Calman, Ira Herskowitz, and James J. O'Donnell. "Cloning of a human galactokinase gene (GK2) on chromosome 15 by complementation in yeast." *Proc. Natl. Acad. Sci. USA* 89:10887-10891 (1992).

14. Andrew F. Calman. "Governor Howard Dean, MD, on Health Care and Politics." *San Francisco Medicine* 76 (10):28-29 (2004).
15. Andrew F. Calman. "Medicare's New Prescription Drug Benefit: The Good, the Bad, and the Incomprehensible." *San Francisco Medicine* 77 (3):18-20 (2004).
16. Andrew F. Calman. "Medicare HMO's: Whose Advantage?" *San Francisco Medicine* 77 (6):15-17 (2004).
17. Andrew F. Calman. "A Medicare Smorgasbord: Part III" *San Francisco Medicine* 77 (7):11-12 (2004).
18. E.C. Strauss, A.J. Aldave, W.H. Spencer, B.C. Branco, D.A. Barsness, A.F. Calman, and T.P. Margolis. "Management of prominent iris vascular tufts causing recurrent spontaneous hyphema." *Cornea* 24(2):224-226 (2005).

Clinical Research:

Associate Clinical Investigator, NIH

Aminoguanidine Treatment Trial: "A Placebo-Controlled Safety and Efficacy Study of Pimagedine in Patients with Type II Diabetes Mellitus and Overt Diabetic Nephropathy" (Pimagedine Protocol 201228PR0009), Marion Merrell Dow, Phase II and III, 1995-1997.

Associate Clinical Investigator, "28-week

Multicenter, Controlled, Randomized, Open-Label Clinical Trial Comparing HOE-901 Insulin with NPH Human Insulin in Subjects with Type I Diabetes" (HOE 901/3004), Hoechst Marion Roussel, Phase III, 1997-1998.

Associate Clinical Investigator, "28-week

Multicenter, Controlled, Randomized, Open-Label Clinical Trial Comparing HOE-901 Insulin with NPH Human Insulin in Subjects with Type II Diabetes" (HOE 901/3006), Hoechst Marion Roussel, Phase III, 1997-1998.

Associate Clinical Investigator, "A Clinical

Evaluation of Alphagan (Brimonidine Tartrate Ophthalmic Solution 0.2%) in Patients with Open-Angle Glaucoma or Ocular Hypertension," (Alphagan Clinical Evaluation 98/99 Glaucoma Trial), Allergan, 1998-1999.

Associate Clinical Investigator, "Lumigan Early Experience Data (LEED Study)", Allergan, 2001.

Associate Clinical Investigator, "A Four-Week

Primary Therapy Study to Compare IOP-Lowering Efficacy of Travatan 0.004% in African-American Patients with Open-Angle Glaucoma or Ocular Hypertension Previously Treated with Latanoprost 0.005%,” Alcon, 2001.

Principal Investigator, FDA Phase III Clinical Trial, “Success of Therapy of Switching to Latanoprost from Previously Failed Monotherapy,” Pharmacia, 2000-2001.

Associate Clinical Investigator, “Study of Travatan as Replacement Therapy,” Alcon, 2001.

Principal Investigator, FDA Phase III Clinical Trial, “A Multicenter, Double-Masked, Randomized, 3-Arm Parallel Study, for 3 Months (With a 9-Month, Masked Extension) of the Safety and Efficacy of Bimatoprost 0.03%/Timolol 0.5% Combination Ophthalmic Solution Once Daily Compared with Timolol 0.5% Monotherapy Twice Daily and Bimatoprost 0.03% Monotherapy Once Daily in Patients with Glaucoma or Ocular Hypertension,” Protocol No. 192024-018T-00, Allergan, 2001-2002.

Principal Investigator, “Internet Registry of Patients with Ocular Hypertension Treated with Xalatan (Project XOHT). Pharmacia, 2003-present.

Research interests: primary care of external eye disease; early diagnosis of glaucoma; anomalous iris vessels; prevention and treatment of retinal vascular disease.

Inventions:

Calman-Chang Chopper: optimized instrument for cataract surgery. Prototype developed by Rhein Medical Instruments, 2005. Available through Rhein Medical Instruments (I have no financial interest)

Teaching Experience:

Outpatient clinical and surgical instructor to CPMC ophthalmology residents, beginning July 2010

Surgical instructor to UCSF Ophthalmology residents at San Francisco General Hospital (approx. 10-60 hours per year), 1993-present

Surgical instructor to UCSF Ophthalmology residents at Veterans Administration Medical

Center Ft. Miley (approx. 40 hours per year), 2003-2006

Attending physician for UCSF Ophthalmology residents at UCSF Eye Clinic (approx. 20-40 hours per year), 1993-present

Training of UCSF Family & Community Medicine and Internal Medicine residents in basic recognition of eye disease (approx. 50-150 hours per year), 1993-1995, 2006-present

Training of UCSF medical students in basic recognition of eye disease (approx. 10-50 hours per year), 1993-1996, 1999-present

Invited Lecturer, UCSF Family Medicine Board Review Course, 2005-present

Invited Lecturer, Ocular Symposium, San Francisco, CA, 1995-2005

Guest lecturer, UCSF Continuing Medical Education Course on Ocular and Periocular Malignancies, 1988

Lecturer, UCSF graduate school immunology course, 1987

Teaching assistant, UCSF medical school immunology course, 1987

Tutor, UCSF medical school biochemistry course, 1982-1983

Organizer and director, Amity/NCET MCAT Course, Berkeley, CA, 1982-1985 (lectured in biology and chemistry; wrote workbook and revised textbook used nationwide in Amity/NCET MCAT Course)

Biology lecturer, Amity MCAT Course, New Haven, CT, 1981-1982

Community Service:

Commissioner, San Mateo County Commission on Aging, 2003

Co-Chair, Children and Youth Workgroup, San Mateo County Mental Health Services Act Implementation Steering Committee, 2005-2006

Board Member, San Mateo County Mental Health Board, 2003-2006

San Mateo County Citizens Academy, 2003

Neighborhood Organizer, FOCUS (Friends of Cabrillo Unified Schools) Measure C

Campaign, 2003

Medical Advisory Board, National Association of the Visually Handicapped,
1995-1998

Medical Advisory Board, St. Luke's Diabetes Center, 1995-1997

Volunteer Physician, National Eye Care Project, 1993-present

Volunteer Surgeon, Ambulatory Surgery Access Coalition, 1995-present

Pianist, United Way charity concerts, 1993

Volunteer, Mission Neighborhood Health Fair, 1983, 1988, 1992

Volunteer, UCSF Career Day specialty panel, 1994-1995

Other Experience:

Certified Retinal Photographer, Fundus Photograph Reading Center, 1995-present

UCSF Surgical Laser Science and Safety Course, 1990

Resident representative, Dean's committee on ophthalmology residency, 1993

Student representative, Microbiology/Immunology Graduate Program Steering
Committee, 1987

Scientific Consultant, Clontech, Inc., Palo Alto, CA, 1986-1987

Slavyanka Men's Slavic Chorus, 1982-2003 (Russia tour 1986, Concert for Mikhail
Gorbachev 1990, Rachmaninoff Vespers
1988 and 2001, recorded 3 CD's)

Yale Russian Chorus 1979-1982 (Carnegie Hall Concerts 1980 and 1981, Russia
Tour 1982, 50th Anniversary Concert 2003)

Licensed private pilot, 1977-present

Civil Air Patrol 1986-1988

Society Memberships:

American Medical Association, 1982-present

California Medical Association, 1982-present

San Francisco Medical Society, 1994-present

American Academy of Ophthalmology, 1991-present

California Academy of Eye Physicians and Surgeons (formerly California Academy of Ophthalmology), 1992-present

Alpha Omega Alpha Honor Medical Society, 1988-present

Association of the Clinical Faculty, UCSF, 1993-present

Frederick C. Cordes Eye Society, 1990-present

American Diabetes Association, Professional Section, 1996-1999

American Association for the Advancement of Science, 1984-1990, 1999-2001, 2003-present