
Curriculum Vitae

Vyacheslav “Alec” Pekler

SUMMARY OF QUALIFICATIONS

- Doctor of Naturopathic Medicine with training in basic sciences, patient counseling, physical exam, diagnosis, naturopathic and conventional treatment modalities, homeopathy, botanical medicine, injection and IV therapies, constitutional hydrotherapy and physical modalities: diathermy, laser, ultrasound, NMES, TENS, craniosacral, depuration therapies and phlebotomy.
 - Five years of combined experience in clinical testing, test development, quality assurance, quality control, regulatory affairs, cGMP, GLP and process development and validation in multi-purpose cGMP CleanRoom Biopharmaceutical Production Facility.
 - Extensive experience in designing, developing and establishing testing methodology for testing HCV in human body fluids.
 - Advanced scientific research knowledge and publication of results in scientific peer-reviewed journals.
 - Five years of managerial experience.
 - Broad understanding and experience working with disabled children.
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PUBLICATIONS

Detection of Hepatitis C Virus in Semen Using Versant TMA Assay and Quantitation Using Versant bDNA 3.0 Assay from a Population of Eighty Homeless Men.” **Pekler VA**, Robbins WA, Nyamathi A, Yashina TL, Robins TA. J Clin Lab Anal. 2003;17(6):264-70.

“Presence of and Predictors of HCV RNA in Semen of Homeless Men.” Nyamathi A, Robbins WA, Fahey J, Wiley D, **Pekler VA**, Longshore D, Robins TA, Singh J, Saab S. Biol Res Nurs 2002 Jul;4(1):22-30.

RESEARCH

Independent Research Study

Bastyr University, San Diego, CA

January 2014 - present

- Designed and conducted study to assess the amount of toxic metals in home cooked bone broths.
- Assessed risk of ingesting bone broths produced from organically and non-organically grown animals.

Assistant Researcher

Dr. Erica Oberg, Bastyr University, San Diego, CA

August 2013 - October 2013

- Assisted in manuscript preparation and research for the following paper: "Far Infrared Wavelength Treatment for Low Back Pain: evaluation of a non-invasive device" through

Graduate Student Thesis Research Project

University of California Los Angeles, Los Angeles, CA

September 1999 – March 2002

- Designed and conducted independent research on presence of HCV in semen using a branched DNA 3.0 technology and Transcription Mediated Amplification assay.
- Developed and performed validation studies in order to determine specificity and sensitivity of the assays when used in alternative tissues.
- Assisted in designing statistical methodology to test correlation between the number of White Blood Cells, Sperm cells in semen and genotype and viral load in blood plasma.
- Oversaw coordination specimen handling, processing and transportation among research groups in UCLA, Specialty Laboratories, Inc and Weingart Medical Clinic in Los Angeles.

Undergraduate Student Independent Research Project

American University, Washington, D.C.

November 1998 – December 1998

- Wrote toxicology research article: “Effects of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) on fetal immune system” (unpublished).
- Summarized current literature from Medline search on the effect of TCDD on fetal immune system of various mammalian organisms.

Research Assistant

Dr. Lowell T. Harmison, Washington, D.C.

November 1998 – June 1999

- Designed and conducted research laboratory project, "Effects of sodium bicarbonate (baking soda) on growth of certain species of *Aspergillus* and *Penicillium*".
- Used Kirby-Bauer technique to study effect of various concentrations of the sodium bicarbonate on the growth of fungi. Prepared specific potato agar using aseptic techniques.
- Presented findings at the school's forum.

TEACHING

Teaching Assistant

Gross Anatomy Laboratory, Bastyr University, San Diego, CA

October 2013 - Spring 2014

- Assisted in hands-on gross anatomy tutorials.
- Prepared and assisted in supervision of lab practicals.

Teaching Assistant

General Chemistry Laboratory, American University,
Washington D.C.

September 1998 - June 1999

- Lectured on basic chemistry concepts and laboratory theory.
- Prepared reagents, instruments, homework, quiz and test assignments.
- Conducted pre-lab validation of procedures.
- Took charge in laboratory experimental design.
- Graded assignments, quizzes and lab reports.

Chemistry/Biology Tutor

Chemistry Department, American University, Washington D.C.

September 1998 - June 1999

- Explained basic biology and chemistry concepts to students.
- Helped with homework and pre-test assignments.
- Assisted with laboratory report preparation.

EDUCATION

Doctor of Naturopathic Medicine

June 2017

Bastyr University San Diego, CA

Naturopathic education and training including clinical and laboratory diagnostic testing, nutritional medicine, botanical medicine, naturopathic physical medicine (including naturopathic manipulative therapy), public health measures, hygiene, counseling, minor surgery, homeopathy, prescription medication, intravenous and injection therapy, and naturopathic obstetrics (natural childbirth).

Master of Science Environmental Health Sciences: Toxicology

March 2002

University of California Los Angeles, Los Angeles, CA

Program training including a comprehensive understanding of the role that the environment and toxins plays in human health, how people are exposed to hazards in the environment, the effect of environmental exposures at the cellular or organismal level, the effect of environmental exposures on human populations and the societal implications of these outcomes.

Bachelors of Science, Biology

June 1998

American University, Washington, DC.

Training in biological, biochemical and chemical science subjects with emphasis on design and implementation of scientific methods and research.

PROFESSIONAL EXPERIENCE

Full time care taker of a son with a disability

January 2009 -September 2012

- Managed medical and developmental conditions of my eight year old son with Down Syndrome.

Vice President of Operations

Century 21 EDVA Realty, Tarzana, CA

October 2004 – January 2009

- Hired, trained and supervised new and existing agents.
- Performed corporate audits and financial planning.
- Ordered, coordinated, and analyzed third-party reports.
- Worked with legal counsel in the preparation and negotiation of purchase agreements, partnership agreements and related legal documentation.
- Marketed company through direct mailing campaigns and ecommerce.

- Designed and created company websites.
- Maintained company's information technology and voice communication systems.

Quality Control Associate II

City of Hope Medical Center and Beckman Research Institute,
Duarte, CA

July 2003 - October 2004

- Evaluated plasmid DNA and raw materials employed for the production of plasmid DNA.
- Designed and performed validation and troubleshooting of QC assays as well as reagents and instrumentation employed in QC assays.
- Release tested plasmid DNA, bacterial Master Cell Bank (MCB) and product related material.
- Created and validated cleaning validation procedures.
- Significantly increased turnaround time on each test by planning and stocking/preparing reagents needed for each test.

Quality Assurance Associate II

City of Hope Medical Center and Beckman Research Institute,
Duarte, CA

November 2002 - July 2003

- Assisted in development and bench-top production of DNA.
- Inspected facilities and personnel for compliance with regulatory issues.
- Checked raw material for appropriate labeling, damage and contamination.
- Assisted in safety compliance by writing safety recommendations and responding to the safety inspection findings.
- Verified manufacturing data by checking the production SOPs.
- Maintained cleaning validation.
- Created standard operating cleaning procedures for Clean Rooms.
- Was responsible for an FDA inspection compliance.
- Improved cleaning/manufacturing coordination with decreased manufacturing downtime.

Laboratory Technician II

Specialty Laboratories, Inc., Santa Monica, CA

July 1999 - November 2002

- Performed extraction, amplification and detection of HCV, HIV, HBV, HPV using multiple techniques.
- Maintained quality control/quality assurance of the tests.
- Trained new employees and co-workers in the laboratory techniques and procedures.
- Prepared reagents.
- Conducted trouble shooting of the procedures.
- Carried out specimen stability studies and assisted in validation of new and existing technology.

ADDITIONAL SKILLS AND EDUCATION

Fellowships:

- Institute for Functional Medicine certification training. March 2017 - Present
- Medical Academy of Pediatrics Special Needs (MAPs) Fellowship Training. January 2015 - Present

- Integrative Ayurveda for Health Professionals certificate.

June 2014 - Present

Extracurricular training:

- Upledger Institute craniosacral certificate training.
- Dr. Einat Arian ND craniosacral training classes
- Apex Energetics Workshops:
 - Early signs of Brain Degeneration
 - Mastering Brain Chemistry
 - Fundamentals of Functional Blood Chemistry
 - The Neuroendocrine Immunology of Environmental Triggers
 - The Neuroendocrine Immunology of SIBO
- Biotics Research
 - Gastrointestinal Functionality and Health workshop
- California Naturopathic Doctors Association:
 - Obesity, Dysmetabolic Syndrome and Weight Management
- University of California San Diego
 - Integrative Oncology workshop
 - Tai Chi: moving for better balance certificate training

February 2014 - Present

November 2014 - Present

PRECEPTORSHIPS

- **Dr. Simon Barker ND**
Paracelsus Natural Family Health Center. Pasadena, CA October 2013 - November 2014
 - General family medicine, endocrine and cancer therapy.
- **Dr. Arsen Nalbandyan DO**
Traditional Osteopathy, Calabasas, CA July 2013 - August 2013
 - Traditional osteopathic manipulations and treatments.
- **Dr. Glassman MD., PhD**
Pediatric Associates. Sherman Oaks, CA July 2014 - August 2014
 - Conventional pediatric practice.
- **Dr. Lillian Au ND**
Paracelsus Natural Family Health Center, Pasadena, CA November 2014 - December 2015
 - General family medicine, women's health, pediatrics.
- **Dr. Shannyn Fowl ND**
Journey of Health Medical Clinic, San Diego, CA August 2016 - May 2017
 - General family medicine, women's health, pediatrics.
- **Dr. Dan Rossignol MD**
Rossignol Medical Center, San Diego, CA April 2016 - Present
 - Complex pediatric and adult autism spectrum disorders
- **Dr Suzanne Goh MD** January 2017 - Present
Cortica - Advanced Neurological Therapies for Autism
 - Complex pediatric neurobehavioral and autism spectrum disorders

RELEVANT SKILLS

- Language: Fluent in English and Russian

- Medical: Red Cross First Aid and CPR
- Computer: Excel, Word, Access, WordPerfect, Outlook, PowerPoint, Adobe Acrobat VectorNTI, REES and LabWorks 4.5
- Statistical software: STATA
- Medical Interpreter Certification

GRANTS/FELLOWSHIPS

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| • Bastyr University Scholarship Award | 2013 -2015 - \$1700 |
| • Bone broth research grant Bastyr University | 2013-2014 - \$3000 |
| • Bechtel Foundation Scholarship Award | 2013-2014 - \$5000 |
| • Specialty Laboratories unrestricted grant for the HCV project | 2000-2002 - \$20,000 |
| • UCLA Graduate Student Fellowship | 2000 - 2012 - \$6,000 |
| • American University Graduate teaching assistantship | 1998 -1999 - \$18,000 |

COMMUNITY SERVICE

Holistic Retreat Lecturer

Integrative Touch for Kids, Tuscon, AZ

July 2015 - Present

- Created and taught class on holistic cooking and nutrition as well as sauna use for health and disease.

Holistic Cooking Class Instructor, Los Angeles, CA

January 2014 - Present

- Created holistic hands-on cooking classes for parents of children with disabilities.
- Scientifically designed courses for nutrient synergy and healing.
- Taught parents proper food selection and cooking methods to maximize nutritional value and help with children's health issues.

President of Pediatric, Research and Cooking clubs

Bastyr University, San Diego CA

October 2014 - Present

- Designed holistic cooking presentations.
- Invited and presented lectures on pediatric topics.
- Designed and led a group of students on various research projects.

Member, Board of Directors (Volunteer)

Family Focus Resource & Empowerment Center December, Los Angeles, CA

2009 – Present

- Helped create a strategy to provide more funds for the center.
- Advised families with children with disabilities on available services and programs.

English Language Teacher (Volunteer)

Happy Family Child Care, Los Angeles, CA

October 2009 - September 2012

- Taught English to non-native children.

Medical Interpreter (Volunteer)

- Trained in medical terminology and interpretation techniques.

Research Technician (Volunteer)

Toxicology/Special Chemistry Department, Specialty Labs,
Santa Monica, CA

December 1999 - June 2000

- Learned the use of HPLC.
- Assisted in reagent preparation reagent for the Graphite Furnace AAS.
- Studied use of ICP-MS for Toxicological testing.

Research Technician (Volunteer)

Dr. Froines Toxicology, UCLA, School of Public Health,
Los Angeles, CA

December 1999 - June 2000

- Assisted in mice caring for Arsenic Toxicology Study.
- Tissue dissecting and preservation for pathological evaluation.
- Performed DNA methylation assay.

Emergency Room (Volunteer)

Emergency Room, Gottlieb Memorial Hospital, Chicago, IL

July 1995-September 1995

- Helped move patients, assisted in wound cleaning, and stitching, and other services.

**PROFESSIONAL MEMBERSHIPS
(Past and Present)**

- Naturopathic Medical Student Association
- California Naturopathic Doctor Association
- Pediatric Association of Naturopathic Physicians
- Weston A. Price Foundation
- The Institute for Naturopathic Generative Medicine (INGM)
- San Diego Herbalist Guild
- Naturopathic Academy of Environmental Medicine