<u>Ali Sarkeshik</u>

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<u>Academic History</u>

University of California, Riverside. Bachelor of Science**,** Chemistry

UCSD Coding Bootcamp	**February 2019 - Present**

Student learning Full Stack Development
San Diego, CA

- ➢ Learning front-end and back-end technologies through a dynamic curriculum.
- ➢ Technologies include HTML5, CSS3, JavaScript, Java, jQuery, Bootstrap, Express.js, React.js, Node.js, Database Theory, Bookshelf.js, MongoDB, MySQL, Command Line, and Git.

Perkin Elmer	**June 2018 - December 2018**

Customer Support Engineer - Diagnostics
San Diego, CA

- ➢ Provided on-site personalized support services for PerkinElmer instruments
- ➢ Provided troubleshooting expertise and repair skills needed to help identify and resolve issues related to hardware, software or applications support.
- ➢ Performed PMs, installs, and repairs on various Perkin Elmer instruments (Janus and EuroImmun products).

Roche Diagnostics	**January 2018 - May 2018**

Planned Activities Specialist/Field Service Engineer
Contract Position via Tailored Management
San Diego, CA

- ➢ Performed on-site preventative maintenance, installation, and technical updates (TSB's) on company products (Cobas 6000 and 8000 analyzers).
- ➢ Diagnosed mechanical, hardware, software and system failures
- ➢ Trained in: CD Foundations of Hardware, IT Products, c6000/8000 Service Operator Training, and Cobas 6000 Install/Core Service

BioSurplus, Inc.	**January 2017 – July 2017**

Service Engineer
San Diego, CA

- ➢ Diagnosed, repaired, and serviced a wide range of laboratory equipment.
- ➢ Systems included but were not limited to: Flow Cytometry (BD FacsCalibur, Luminex 100 and 200), Centrifuges (Beckman Coulter, Sorvall, Eppendorf), Refrigeration systems (Cold Freezers and Incubators), Automated Liquid Handlers (Tecan Evo Freedom), Plate Readers (Tecan Saffire, Infinite, GenIOS, and PowerScanner), Mass Spectrometry (Agilent, Shimadzu, Thermo), HPLC (Agilent 1100/1200), and GC (Agilent 6850/6890).
- ➢ Performed hands on installation (hardware/software), calibrations, troubleshooting, and preventative maintenance on incoming equipment
- ➢ Determined proper solutions for instrument errors and technical problems.
- ➢ Provided technical support to customers
- ➢ Cooperated with internal teams and shared information across the organization.

Versum Materials (Formerly Air Products and Chemicals, Inc)   November 2013 – January 2017
Analytical Chemist
Contract Position via The Fountain Group: November 2013 – May 2015
Carlsbad, CA

- ➢ Performed hands on installation (hardware/software), calibrations, troubleshooting, and preventative maintenance on GC instruments (Agilent 5973/6850/6890/Thermo Trace 1310).
- ➢ GC-TCD/GC-FID, GC-MS, DIP-MS analysis of organo silanes and GC-PHID analysis of Octane
- ➢ Assisted in transitioning R&D products to commercial status (ISO: 9001:2008, 17025, 10012)
- ➢ Attended Agilent Chem Station OpenLab software training seminar in La Jolla, CA.
- ➢ Conducted safety reviews in addition to creating and editing safety protocols.
- ➢ Maintained sample logs and submitted monthly reports (MS Excel and Powerpoint).
- ➢ Performed sample prep in chemical hood and glove box environments.
- ➢ Performed Karl Fischer titrations to determine water content of sample submissions.
- ➢ Worked closely with a team of researchers to support method development for new products.
- ➢ Supported R&D team in routine and non-routine chromatographic analysis.
- ➢ Supported the lead analytical researcher responsible for the analysis and verification of high purity chemicals.

British Petroleum – Bio Fuels   March 2013 – October 2013
Research Associate
Contract Position via Collabera
San Diego, CA

- ➢ Performed hands on installation (hardware/software), calibrations, troubleshooting, and preventative maintenance on HPLC (Agilent 1100/1200 series), GC (Agilent 5975 MSD/6890N/7890A GC), and IC (Metrohm IC 818-819) chromatographic instruments
- ➢ SEC-HPLC Analysis of: Organic Acids, Sugars, Oligomers, Solids, and Furans in Fermentation and Yeast engineering Samples
- ➢ IC Analysis of Organic Acids
- ➢ Headspace GC Analysis and Method Development of Ethanol, Isobutanol, Isobutyl Acetate, and Ethyl Acetate in Fermentation Samples
- ➢ CLND analysis of Nitrogen (Antec 8060)
- ➢ ICP Elemental Analysis of Trace Elements (Perkin Elmer Optima 7300 ICP-OES system)
- ➢ Compiled, recorded and maintained data on results of analysis (via LIMS) and communicated results to investigator and/or supervisor.

Ionis Pharmaceuticals (Formerly ISIS Pharmaceuticals)   October 2012 – November 2012
Research Associate/Scientist - Oligo Synthesis
Contract Position via Aerotek
Carlsbad, CA

- ➢ Production of synthetic oligonucleotides (using Mermade 192 synthesizer) in a GLP environment
- ➢ Analytical techniques used: C5 and C8 SAX purification (GE AKTA Explorer) and C7 Desalt (GE AKTA Avant)
- ➢ Post Desalt verification of sample purity by LC utilizing Agilent 1100 series LC/MSD for final QC verification
- ➢ Utilized Agilent 6130 Quadrople LC-MS to verify fraction purity
- ➢ Successfully synthesized an average of 30 oligos per week

The Scripps Research Institute   July 2006 – July 2011

Department of Chemical Physiology
Research Technician
Advisor: John R. Yates III, PhD
La Jolla, CA

Research Technician for the Yeast Resource Center (YRC) - A Biomedical Technology Resource Center supported by grants from NIH and the NCRR located at the University of Washington at Seattle.
In conjunction with scientists around the world, successfully identified and sequenced protein structures in a variety of organisms (human, yeast, worm, etc) through the utilization of various analytical chemistry (Mass Spectrometry, HPLC, etc), cell biology (protein purification), and Bioinformatic techniques (Linux based programming, database searches, etc) techniques. From these experiments gene expression and function were studied so as determine their effects upon human health.

- Performed hands installation (hardware/software), calibration, troubleshooting, and preventative maintenance on LC/LC-MS (LTQ and LTQ Orbitrap) and HPLC instruments (Agilent 1100)
- Protein characterization and data analysis by Mass Spectrometry (MS) of over 1000 protein complexes (Using Agilent 1100 RP-HPLC, LTQ and LTQ Orbitrap)
- Successfully collaborated independently under minimal supervision with over 100 foreign (University of Edinborough) and domestic universities (Harvard, Cornell, UCSD, etc) on various research projects
- Technical editing and writing experience: construction and implementation of new YRC SOPs, co-authoring scientific publications, creation and maintenance of YRC protocol and instrumentation webpage
- Database maintenance, creation, and modification for YRC Public Data Repository
- Presentation of quarterly progress reports and YRC Annual reports
- Became Proficient in many analytical technologies including LCMS/MS, liquid chromatography, DNA amplification utilizing PCR, Western Blot, capillary electrophoresis, protein labeling via iTRAQ, and cIEF
- Successfully improved YRC data processing system (Data submission, database parsing, etc)

Selected Publications

For the complete list please visit: **http://www.ncbi.nlm.nih.gov/pubmed?term=sarkeshik**

1. Shia WJ, Okumura AJ, Yan M, **Sarkeshik A**, Lo MC, Matsuura S, Komeno Y, Zhao X, Nimer SD, Yates JR 3rd, Zhang DE. "**PRMT1 interacts with AML1-ETO to promote its transcriptional activation and progenitor cell proliferative potential.**" Blood. 2012 May 24;119(21):4953-62. Epub 2012 Apr 12.

2. Paramasivam M, **Sarkeshik** A, Yates JR 3rd, Fernandes MJ, McCollum D. "**Angiomotin family proteins are novel activators of the LATS2 kinase tumor suppressor.**" Mol Biol Cell. 2011 Oct;22(19):3725-33. Epub 2011 Aug 10