

PATENTS GRANTED TO ANUP SINGH, PH.D

| | PAT. NO. | Title | Date |
|----|-----------|--|----------------|
| 1 | 9,803,238 | Method and apparatus for purifying nucleic acids and performing polymerase chain reaction assays using an immiscible fluid | Oct. 31, 2017 |
| 2 | 9,766,230 | System and method for detecting components of a mixture including a valving scheme for competition assays | Sept. 19, 2017 |
| 3 | 9,702,871 | System and method for detecting components of a mixture including a valving scheme for competition assays | July 11, 2017 |
| 4 | 9,579,649 | Fluid delivery manifolds and microfluidic systems | Feb. 28, 2017 |
| 5 | 9,409,357 | Devices, systems, and methods for microscale isoelectric fractionation | Aug. 9, 2016 |
| 6 | 9,244,065 | Systems, devices, and methods for agglutination assays using sedimentation | Jan. 26, 2016 |
| 7 | 9,201,069 | Microfluidic devices and methods including porous polymer monoliths | Dec. 1, 2015 |
| 8 | 9,186,668 | Microfluidic devices, systems, and methods for quantifying particles using centrifugal force | Nov. 17, 2015 |
| 9 | 9,005,417 | Devices, systems, and methods for microscale isoelectric fractionation | Apr. 14, 2015 |
| 10 | 9,002,654 | Multi-analyte analysis of saliva biomarkers as predictors of periodontal and pre-implant disease | Apr. 7, 2015 |
| 11 | 8,961,766 | Microchannel gel electrophoretic separation systems and methods for preparing and using | Feb. 24, 2015 |
| 12 | 8,945,914 | Devices, systems, and methods for conducting sandwich assays using sedimentation | Feb. 3, 2015 |
| 13 | 8,911,606 | Dielectrokinetic chromatography devices | Dec. 16, 2014 |
| 14 | 8,871,496 | Methods, microfluidic devices, and systems for detection of an active enzymatic agent | Oct. 28, 2014 |
| 15 | 8,728,290 | Microfluidic device having an immobilized pH gradient and page gels for protein separation and analysis | May 20, 2014 |
| 16 | 8,703,058 | Microfluidic devices and methods including porous polymer monoliths | Apr. 22, 2014 |
| 17 | 8,702,946 | Dielectrokinetic chromatography and devices thereof | Apr. 22, 2014 |
| 18 | 8,524,060 | Microchannel gel electrophoretic separation systems and methods for preparing and using | Sept. 3, 2013 |
| 19 | 8,394,312 | Method for forming polymerized microfluidic devices | Mar. 12, 2013 |
| 20 | 8,329,016 | Microfluidic device having an immobilized pH gradient and PAGE gels for protein separation and analysis | Dec. 11, 2012 |
| 21 | 8,163,154 | Method for voltage-gated protein fractionation | Apr. 24, 2012 |
| 22 | 8,047,829 | Method for forming polymerized microfluidic devices | Nov. 1, 2011 |
| 23 | 7,999,937 | Microfluidic devices and methods for integrated flow cytometry | Aug. 16, 2011 |
| 24 | 7,931,792 | System for concentrating and analyzing particles suspended in a fluid | Apr. 26, 2011 |
| 25 | 7,828,948 | Preconcentration and separation of analytes in microchannels | Nov. 9, 2010 |
| 26 | 7,754,077 | Dialysis membrane for separation on microchips | July 13, 2010 |
| 27 | 7,534,334 | Apparatus and method for concentrating and filtering particles suspended in a fluid | May 19, 2009 |
| 28 | 7,534,315 | Method for dialysis on microchips using thin porous polymer membrane | May 19, 2009 |
| 29 | 7,344,681 | Planar micromixer | March 18, 2008 |
| 30 | 7,264,723 | Dialysis on microchips using thin porous polymer membranes | Sept. 4, 2007 |
| 31 | 7,014,747 | Dielectrophoretic systems without embedded electrodes | March 21, 2006 |
| 32 | 6,495,352 | Sol-gel method for encapsulating molecules | Dec. 17, 2002 |
| 33 | 6,428,666 | Electrokinetic concentration of charged molecules | Aug. 6, 2002 |
| 34 | 5,494,803 | Immunodiagnostic assay using liposomes carrying labels thereof on outer liposome surface | Feb. 27, 1996 |