Angel Janevski

Chief Data Scientist at MediQuire

Greater New York City Area

Information Technology and Services

500+ connections

Current MediQuire

Previous MediQuire, Medidata Solutions, Philips Research

Experience

MediQuire

2 years 9 months

Chief Data Scientist
MediQuire
January 2017 – Present • 2 years
Greater New York City Area

Vice President of Analytics
MediQuire
April 2016 – January 2017 • 10 months
New York, New York

Senior Data Scientist, Project & Technical Lead

Medidata Solutions
May 2013 – March 2016 • 2 years 11 months
Greater New York City Area

Guide clinical trials planning and execution with data: Transform clinical and operational data into organized and actionable content

Philips Research

14 years 4 months

Senior Member Research Staff & Project Leader
Philips Research
January 2004 – May 2013 • 9 years 5 months
Greater New York City Area

Clinical bioinformatics: Project lead, designer and key contributor for two generations of a Clinical Decision Support/Predictive analytics platform (PAPAyA) for analysis, management and delivery of high-throughput molecular profiling data to clinicians; Diagnostic patterns discovery and biological processes modeling based on high-throughput molecular profiling and clinical

February 1999 – December 2003 • 4 years 11 months
Greater New York City Area

Consumer information management/Content augmentation: Architecture design, specification and implementation of a content processing, augmentation and delivery. Prototypes featured by Philips on prominent trade shows and numerous technology events. (jointly in part w/IBM T. J. Watson Lab)

Research Assistant/Fellow
University of Kentucky
August 1997 – January 1999 • 1 year 6 months
Lexington, Kentucky Area

Rule-based information extraction: Designed and implemented a software framework based on a full document-processing pipeline that intelligently navigates any Web content and deploys information extraction rules plug-ins.

Research Internship
Philips Research
May 1998 – August 1998 • 4 months
Greater New York City Area

Implementation of Wireless Transport Layer Security (WTLS) layer of the Wireless Application Protocol (WAP) stack with a GUI test environment.

Software Engineer & Project Leader
Asseco South Eastern Europe (Pexim Macedonia)
November 1994 – August 1997 • 2 years 10 months
Macedonia

Software design and development focusing on complete front- and back-end office in banking solutions as well as the National Post Office

System Administrator, Programmer, Content
Publishing House M
February 1993 – November 1994 • 1 year 10 months
Macedonia

Education

Columbia University in the City of New York
Engineer's Degree, Computer Science
2000 – 2003

Post-MS Professional Degree in Computer Science
Advisor: Kenneth A. Ross; Title: "Querying Faceted Databases"

Master's Degree, Computer Science
1997 – 1999

Advisor: Victor Marek; Title: "UniversityIE: Information Extraction From University Web Pages"

Ss. Cyril and Methodius University
Bachelor's Degree, Computer Science

High School, Mathematics-Informatics
1983 – 1987

Volunteer Experience

Mentor
FIRST
September 2011 – May 2013 • 1 year 9 months | Education

Mentor
iMentor
September 2005 – June 2006 • 10 months | Children

Mentoring high-school students

Tutor
East Harlem Tutorial Program
January 2005 – June 2006 • 1 year 6 months | Education

Skills & Endorsements

Languages

English
Full professional proficiency

Macedonian
Native or bilingual proficiency

Serbian
Native or bilingual proficiency

Patents

Medical analysis system
United States 9,858,392
Issued January 2018

The present invention relates to effective diagnosis of patients and assisting clinicians in treatment planning. In particular, invention provides a medical analysis system that enables refinement of molecular classification. The system provides a molecular profiling solution that will allow improved diagnosis, prognosis, response prediction to provide the right chemotherapy, and follow-up to monitor for cancer recurrence.

Inventors:
Angel Janevski, Nevenka Dimitrova, Sitharthan Kamalakaran, Yasser alSafadi, Anca Bukur, Jasper Van Leeuwen, Vinay Varadan

Clinical workstation integrating medical imaging and biopsy data and methods using same

combining the medical image with a graphical representation of information (20, 22) generated from the biopsy sample to generate a combined image in which the graphical representation is spatially delineated based on the spatial registration of the biopsy sample; and displaying the combined image on the graphical display device of the imaging visualization workstation. A method comprises extracting a biopsy sample spatial sample from a medical subject, processing the biopsy sample to generate biopsy information, acquiring a medical image of the subject, spatially registering the biopsy sample with the medical image, and displaying the medical image modified to include an annotation generated from the biopsy information.

Inventors:
Angel Janevski, Nilanjana Banerjee, Sitharthan Kamalakaran, Vinay Varadan, Nevenka Dimitrova

System and Method for Contextualized Tracking of the Progress of a Clinical Study

United States
Filed February 2016

An improved system for tracking the progress of a clinical study includes a classifier generator, a classifier application subsystem, a study stage annotation subsystem, a progress status models generator, an aggregation module, and a progress status evaluation subsystem. The classifier generator automatically generates clinical data element classifiers by evaluating clinical data containers and clinical study stage attributes across clinical studies; the classifier application subsystem applies the clinical data element classifiers to classify clinical data elements into pre-determined categories; the study stage annotation subsystem uses the clinical data element classifiers and the classified clinical data elements to determine clinical study stages; the progress status models generator generates at least one progress status model based on the clinical study stages, the aggregation module selects and aggregates the classified clinical data elements and clinical study stages; and the progress status evaluation subsystem computes the state of at least one progress status model. The progress status evaluation subsystem generates at least one progress status of the clinical study by using the clinical data element classifiers and clinical data to compare contextualized study properties of one or more associated clinical study stages. An improved method for tracking the progress of a clinical study is also described and claimed.

Inventors: Angel Janevski, Mladen Laudanovic

Compositions and methods for micro-RNA expression profiling of colorectal cancer

United States 9,074,206
Issued July 2015

The present invention relates compositions and methods for microRNA (miRNA) expression profiling of colorectal cancer. In particular, the invention relates to a diagnostic kit of molecular markers for identifying one or more mammalian target cells exhibiting or having a predisposition to develop colorectal cancer, the kit comprising a plurality of nucleic acid molecules, each nucleic acid molecule encoding a miRNA sequence, wherein one or more of the plurality of nucleic acid molecules are differentially expressed in the target cells and in one or more control cells, and wherein the one or more differentially expressed nucleic acid molecules together represent a nucleic acid expression signature that is indicative for the presence of or the predisposition to develop colorectal cancer. The invention further relates to corresponding methods using such nucleic acid expression signatures for identifying one or more mammalian target cells exhibiting or having a predisposition to develop colorectal cancer as well as for preventing or treating such a condition. Finally, the invention is directed to a pharmaceutical composition for the prevention and/or treatment of colorectal cancer.

Inventors:
Ying Wu, Hongguang Zhu, Jian Li, PhD, Liang Xu, Wim Verhaegh, Yiping Ren, Angel Janevski, Vinay Varadan, Zhaoyong Li, Nevenka Dimitrova

Device and method for comparing molecular signatures

United States 8,924,232
Issued December 2014
Inventors: Yasser alSafadi, Nilanjana Banerjee, Vinay Varadan, Angel Janevski

System and Method for Monitoring Clinical Trial Progress

United States 20160085943
Issued September 2014

A method for monitoring clinical trial progress includes calculating progress curves for clinical trial states. Calculating a progress curve includes assigning values to events for a datapoint in the clinical trial, generating or building pairs of values for each consecutive sequence of the events,

Inventors: Glen de Vries, Mladen Laudanovic, Angel Janevski

Method of determining a reliability indicator for signatures obtained from clinical data and use of the reliability indicator for favoring one signature over the other

United States 8,762,072

Issued June 2014

Inventors: Angel Janevski, Nilanjana Banerjee, Yasser alSafadi, Vinay Varadan

Method and system for retrieving information about television programs

United States 8,453,189

Issued May 2013

Inventors: Angel Janevski, Lalitha Agnihotri

Method and system for providing complementary information for a video program

United States 7,934,233

Issued April 2011

Inventors:
Angel Janevski, Johanna Maria Bont, Nevenka Dimitrova, Andreas Henricus Elisabeth Lamers, Dongge Li, Lira Nikolovska, John Zimmerman

Implementation of mandatory segments in multimedia content

United States 7,292,773

Issued November 2007

Inventors: Angel Janevski

Precipitation/dissolution of stored programs and segments

United States 7,457,811

Issued June 2002

Inventors: Angel Janevski, Nevenka Dimitrova, Lalitha Agnihotri

System and method for providing videomarks for a video program

United States 6,988,245

Issued June 2002

Inventors: Angel Janevski

Graphic user interface having touch detectability

United States 6,988,247

Issued June 2002

Inventors: Angel Janevski

Apparatus and method for synchronizing presentation from bit streams based on their content

United States 7,269,338

Issued December 2001

Inventors: Angel Janevski

Image extraction from video content

United States 7,590,333

Issued October 2001

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