

Celebration of Inventorship

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
Office of the Vice Chancellor for Research and Economic Development
Office of Technology Development



Dept.	Inventor	Patent Title
Dept. of Pathology	Richard Tidwell	<i>Novel Compounds That Exhibit Specific Molecular Recognition of Mixed Nucleic Acid Sequences and Bind in the DNA Minor Groove as a Dimer</i>
	Richard Tidwell	<i>Compounds, Methods and Compositions Useful For The Treatment of Bovine Viral Diarrhea virus (BVDV) Infection and Hepatitis C Virus (HCV) Infection</i>
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	Richard Tidwell	<i>Synthesis and Antimicrobial Activity of Novel Dicationic "Reversed Amidines"</i>
	Richard Tidwell	<i>Dicationic 2,5-Diarylfuran Aza-Analogs as Anti-Protozoan Agents</i>
Physics & Astronomy	Otto Zhou, Jianping Lu, Jian Zhang	<i>X-Ray Imaging Systems and Methods Using Temporal Digital Signal Processing for Reducing Noise and for Obtaining Multiple Images Simultaneously</i>
	Otto Zhou Sha Chang	<i>Multi-Pixel Electron Microbeam Irradiator Systems and Methods for Selectively Irradiating Predetermined Locations</i>
	Otto Zhou	<i>Deposition Method of Nanostructure Materials</i>
Phys.& Astr. Radiation Oncology Biochem&Biophysics	Otto Zhou, Jianping Lu, Yueh Lee, Jian Zhang , Yuan Cheng , Weili Lin	<i>Computed Tomography Scanning System and Method Using a Field Emission X-Ray Source</i>
Comp. Sci. Phys & Astr	Leandra Vicci, Richard Superfine	<i>Methods and Systems for Controlling Motion of and Tracking a Mechanically Unattached Probe</i>
	Leandra Vicci, Richard Superfine	<i>Methods and Systems for Controlling Motion of and Tracking a Mechanically Unattached Probe</i>
	Leandra Vicci, Richard Superfine	<i>Methods and Systems for Three-Dimensional Motion Control and Tracking of a Mechanically Unattached Probe</i>
Gene Therapy Ctr. Pediatrics	Jude Samulski, Paul Monahan	<i>Methods and Compounds for Controlled Release of Recombinant Parvovirus Vectors</i>
	Jude Samulski	<i>Virus Vectors and Methods of Making and Administering the Same</i>
School of Pharmacy	Kuo-Hsiung Lee, Kenneth Bastow	<i>Water-Soluble Etoposide Analogs and Methods of Use Thereof</i>
	Kuo-Hsiung Lee	<i>Anti-Retroviral Moronic Acid Derivatives</i>
Computer Science	Henry Fuchs	<i>Methods, Systems, and Computer Program Products for Imperceptibly Embedding Structured Light Patterns in Projected Color Images for Display on Planar and Non-Planar Surfaces</i>
Radiation Oncology Computer Science	Edward Chaney, Stephen. Pizer	<i>Methods and Systems for Modeling Objects and Object Image Data Using Medial Atoms</i>
Chemistry	Holden Thorp	<i>Methods for the Electrochemical Detection of Multiple Target Compounds</i>
Genetics	David Threadgill	<i>In Vitro Mutagenesis, Phenotyping and Gene Mapping</i>
Biology	Darrel Stafford	<i>Enhanced Gamma-Carboxylation of Recombinant Vitamin K-Dependent Clotting Factors</i>
Chemistry	Gary Glish	<i>Methods and Apparatus for Electron or Positron Capture Dissociation</i>
Carolina Vaccine Inst Microbio & Immun	Nancy Davis, Robert Johnston	<i>Alphavirus RNA Replicon Systems</i>
Chemistry	Maurice Brookhart	<i>Polymerization of Olefins</i>
Epidemiology	Ralph Baric, Boyd Yount	<i>Methods for Producing Recombinant Coronavirus</i>
Pathology	Marjorie Read, Thomas Fischer, Timothy Nichols	<i>Delivery of Compounds with Rehydrated Blood Cells</i>
Pharmacology	John Sondak	<i>Protein Purification and Detection Methods</i>