Internship program Summary 2009- 2015

College - Undergrade Students

Year	First Name	Last Name	M/F	Education/level	Institution/ Country	Working with	Title of Presentation	HS Student Going to:
2015	Jonathan	Bentley	M	Rising Freshman	UVA	Dr. Gilbo	**Not presented yet**	
2015	Michael	Kvartunas	M	Rising junior Physics	CUA Physics	Dr. McKeown	**Not presented yet**	
2015	Thomas	Gaddy	M	Rising junior	USC-Chemical Engineering	Howard	**Not presented yet**	
2015	Jacob	Parreira	M	Rising sophomore	CUA Physics	Dr. Sarkar	**Not presented yet**	
2015	Santino	E. Cozza	M	Rising senior Physics	CUA Physics	Dr. Philip	**Not presented yet**	
2015	Meagan	Tomasso	F	Rising junior	CUA-Biochemistry	Dr. Sarkar	**Not presented yet**	
2015	Kiera	Lyons	F	transfer Butler U	CUA Physics	Dr. Sarkar	**Not presented yet**	
2014	Catherine	Premraj	F	Rising Sophomore	CUA Biophysics	Dr. Sarkar	**A Study of DNA-Histone Interactions through Single-Molecule Manipulation**	
2014	Edward	Cheek	M	Rising Sophomore	UVA Physics	Dr. Sarkar	**A Study of DNA-Histone Interactions through Single-Molecule Manipulation**	
2014	Tim	Norland	M	Graduating	VCU Chemistry	Drs. Kot & McKeown	**Optimization of High Level Waste Glass**	
2014	Michelangelo	Romano	M	graduating	CUA Physics	Dr. John Philip	**Ferrimagnetic Intermetallic Alloys**	
2014	Chris	Silvia	M	Rising Sophomore	Cornell Physics / nanoscience	Dr. John Philip	**A study of exchange bias in core/shell magnetic nanostructures**	
2014	Sepideh	Akhbari Far	F	Rising junior	CUA Physics	Dr. Lutze		
2014	Gustovo Ernesto	Ferreira dos Santos	M	Rising junior	CUA- Electrical Engineer	Dr. Dutta	**Thermoelectric Properties of Doped Barium Plumbate**	
2014	Lissa	Gomez	F	Rising junior	CUA - Civil Engineer	Drs. Lutze/Gong	**Ternary Composite Polymers: properties of fresh and cured pastes**	
2013	Gary	Uritskiy	M	Rising senior	CUA-Biology	Dr. Sarkar	**Bead Tracking and DNA Histone Loading Simulations**	
2013	Casey	Vantucci	F	Rising Sophomore	Maryland-U	Dr. Sarkar	**Single Molecule DNA Micromechanics**	
2013	Barbara	Medvar	F			Dr. Sarkar	**The Role of Hyaluronan in the Inner Medulla of the Kidney**	
2013	Patricia	Yorimoto	F	(on John's NSF grant)	CUA-Physics	Dr Philip	**Micromagnetic Studies of Ferromagnetic Nanostructures**	
2013	Felipe	Lima da Costa	M	Science without Border	CUA - Civil Eng.	Dr. Gong	**Effect of metakaolin on geopolymers synthesized from fly ashes with various calcium contents**	
2013	Monique	Vogado	F	Science without Border	CUA - Civil Eng.	Dr. Lutze	**Acid resistance of ultra-high performance geopolymer concrete**	
2013	Gustovo	Ramalho	M	Science without Border	CUA - mechatronics	Dr. Dutta	**Measurement of thermopower and electrical conductivity at high temperatures**	
2013	Gustovo	Sales Mazzoccante	M	Science without Border	CUA - Electrical Engineer	Dr. Dutta	**Measurement of thermopower and electrical conductivity at high temperatures**	
2013	Andre	DE AZEVEDO	M	Science without Border	CUA - Electrical Engineer	Dr Philip		
2013	Matheus	Henrique Klem Galvez	M	Science without Border	CUA - Computer Science	Dr. Sarkar	**Fast C++ Bead Tracking Software**	
2012	Sepideh	Akhbari-Far	F	rising senior	CUA-Physics	Dr. Muller	**Gamma Spectrometry of technetium in nuclear waste glasses**	
2012	James	Glasgow	M	Sophomore	CUA-Physics	Drs. Lutze/Gong	**Geopolymeric Green Cellular Concrete**	
2012	Tara	Lakeman	F	Senior	CUA-Physics	Dr. Sarkar Biophysics		
2012	Khoa	Nguyen	F	Senior	CUA - Engineering	Dr. Dutta		
2012	Angeline	Premraj	F	Junior	CUA - Engineering	Dr. Sarkar Biophysics	**Concentration gradient in the inner medulla: Possible role of Hyaluronan**	
2012	Patricia	Yoritomo	F	Sophomore	CUA - Engineering	Dr. Philip		
2011	Joseph	Zischkau	M	Rising Coll. Senior	Engineering/Management - Carnegie Mellon	Dr. Abhijit Sarkar Biophysics	**Lambda DNA Force and Extension Analysis**	
2011	Andrew	Forbes	M	Junior	Virginia Tech	Dr. John Philip - Nanotechnology	**Fabrication of Co_2FeAl Nanowires by Electrospinning**	
2011	Loan	Bui	F	Senior	CUA-Biologie	Dr.P.Mehl	**Development of Three Dimensional Scaffolds for Tissue Engineering**	
2011	Martin	Zavala	M	Sophomore	GeorgiaTech-Nuclear Engineering	Dr. Muller	**Tc-99m lowest practical detection limit in gamma spectrometry**	
2011	John	Yorimoto	M	Junior	CUA - Physics & Phil.	Dr. Dutta	**Transport in Glasses Containing Multiple Transition Ions**	
2011	Jaclyn	Connor	F	Rising Senior	CUA-Biology & Chem.	Dr. Barkatt		
2011	Benjamin	Buckeye	M	Rising Junior	Mount Union College (OH)	Dr. Zhao	**The coupling effects of melter feed constituents under microwave radiation**	
2011	Matthew	Dion	M	Rising Senior	Rensselaer Poly Tech (NY)	Dr. Abhijit Sarkar Biophysics		
2011	Ashley	Lin	F	Rising Senior	SUNY - Environmental (NY)	Dr. Gong/Lutze		
2010	Andrew	Forbes	M	Sophomore	Virginia Tech	Dr. John Philip - Nanotechnology	**Fabrication of Co_2FeAl Nanowires by Electrospinning**	
2010	Brittany	Bennett	F	Rising Coll. Junior	Environmental Studies - Eastern U.	Dr. May W. on use of fly ash in concrete		
2010	Derrick	Branch	M	Sophomore	Prince George's Community College	Dr. Marek Brandys		
2010	Kenneth	White	M	Sophomore	Catholic University	Dr. Dutta	**Transport Properties of Semi-conducting Vanadium Phosphate Glasses**	
2010	Benjamin	Buckeye	M	Rising Sophomore	Mount Union College (OH)	Dr. Abhijit Sarkar Biophysics		
2010	Joseph	Zischkau	M	Rising Coll. Senior	Engineering/Management Carnegie Mellon	Dr. Abhijit Sarkar Biophysics models	**Lambda DNA Force and Extension Analysis**	
2010	Thomas	Myers	M	Rising Junior (U of A)	U of Arizona - Optical Group	Dr. Dutta - Solar Cell material testing	**Photovoltaic Research**	
2010	Kristina	Taylor	F	Sophomore	UMD	Dr.P.Mehl* - Cell cultures and effects of	**Radiosensitizing Human Colorectal Cancer Cells**	
2009	Jecolia	Longtchi	F	Rising Coll. Freshman	Carnegie Mellon	Dr. John Philip		
2009	Averell	Gatton	M	Senior	Physics College of wooster	Dr. B. Dutta		
2009	Brittany	Bennett	F	Rising Coll. Sophomore	Environmental Studies Eastern	Dr. May W. on use of fly ash in concrete		
2009	Argus	Athanas-Crannell	M	Rising Coll. Sophomore	Engineering/Management Rensselaer	Dr. Isabelle Muller on Tc-99 project		
2009	Joseph	Zischkau	M	Rising Coll. Junior	Engineering/ManagementCarnegie Mellon	Dr. Abhijit Sarkar Biophysics	**GWAS Data Analysis.**	
2009	Marjan	Nabili	F	Senior	CUA - Bioimedical Engineering	Dr. Abhijit Sarkar Biophysics models		
College-bound - Rising Freshman Students								
2015	Jonathan	Bentley	M	Rising Coll. Freshman	UVA	Dr. Gilbo	**Not presented yet**	

2015	Ruhi	Perez	F	Rising Coll. Freshman	Physics UMD	Dr. Muller	**Not presented yet**	
2015	Daniel	Lutze	M	Rising Coll. Freshman	Temple University	Dr. Sarkar	**Not presented yet**	
2012	Philip	Allen	M	Rising Coll. Freshman	The Heights School, Potomac, MD	Dr. Sarkar Biophysics	**Not presented yet**	
2012	Lori	Kaufman	F	Rising Coll. Freshman	YALE - Chemical Engineering	Dr. Dutta	**Transparent Conducting Oxide Films on Radial p-n Junction Solar Cells**	
2012	Rachel	Kelly	F	Rising Coll. Freshman	Trinity School at Meadow View, Falls Church (VA)	Dr. Viragh	**Mössbauer Study of Cation Distribution in Iron Gallate**	
2011	Nathan	Luke	M	Rising Coll. Freshman	?	Dr.P.Mehl		
2011	Adam	Battle	M	Rising Coll. Freshman	Virginia tech	Dr. Dutta	**Resistivity Measurements for Eutectic Composition of PbTe, CdTe**	
2011	Emily	Kelly	F	Rising Coll. Freshman	Jame Madison University - Honor STEM	Dr. Viragh	**Controlling the Redox State in Glasses using Mössbauer Spectroscopy**	
2011	Michaelangelo	Romano	M	Rising Coll. Freshman	CUA - Physics & Phil.	Dr. Dutta	**Development of p-type Material at 725 K for Thermoelectric Applications**	
2010	Cecilia	Zischkau	F	Rising Coll. Freshman	Carnegie Mellon	Dr. Dutta would like her back	**X-Ray Diffraction Studies of Bismuth-Containing High Level Waste Glass Formulations**	
2010	Helen	DeCelles-Zwerneman	F	Rising Coll. Freshman	Georgetown (National Scholar)	Dr. Abhijit Sarkar Biophysics	**Single DNA Micromanipulation Using Magnetic Tweezers**	
2010	Jacob	Kannarkat	M	Rising Coll. Freshman	University of Florida	Dr.P.Mehl"	**Formation of Porous Polysaccharide Scaffolds for Bone Tissue Engineering**	
2010	Jonathan	Luke	M	Rising Coll. Freshman	UMD - Physics	Dr. Abhijit Sarkar Biophysics models	**Biochemical Preparations for DNA Pulling Experiments**	
2010	Nathaniel	Hlavin	M	Rising Coll. Freshman	CUA-Physics	Dr. Tania Horn - NUCLEAR PHYSICS	**Cerenkov detectors at future facilities**	

High School Internship - Rising Senior/Junior

2015	Nicholas	Bayer	M	Rising HS junior	Trinity School at Meadowview	Dr. Bhatta	**Not presented yet**	
2015	Joseph	Kim	M	Rising HS senior	Trinity School at Meadowview	Dr. Philip	**Not presented yet**	
2015	Thomas	Maher	M	Rising HS senior	Trinity School at Meadowview	Dr. Mecholsky	**Not presented yet**	
2015	Margaret	Walker	F	Rising HS junior	Trinity School at Meadowview	Dr. Viragh	**Not presented yet**	
2015	Matthew	Zischkau	M	Rising HS junior	The Heights	? Sarkar or Lutze	**Not presented yet**	
2014	Adrian	Brazell	M	Rising HS Junior	McLean HS, VA	Dr. Viragh	**Characterization of common forms of iron contained in HLW using Mossbauer Spectroscopy**	Jame Madison University - Honor STEM
2014	David	Rogers	M	Rising HS Senior	Thomas Jefferson HS for Science and Tech., VA	Dr. Dutta/Rudra	**Electrical Conductivity Measurements on Glasses and Semiconductor Micro-wires**	
2014	Vishal	Mummareddy	M	Rising HS Junior	Oakton HS (VA)	Dr. Sarkar	**A Tracking Algorithm to Analyze the Single Molecule Interactions between DNA and Histones**	
2014	Conor	Corkery	M	Rising HS Senior	The Heights School, Potomac MD	Dr. Muller	**Rheological Properties of LAW Feeds at Different Solid Contents**	
2014	Kelley	Lou	F	Rising HS Senior	Richard Montgomery HS	Dr. Gan	**Effect of Glass Composition on Density: Modeling and Structural Implication**	
2014	Noelle	Michael	F	Rising HS Senior	Trinity School at Meadow View, Falls Church (VA)	Drs. Lutze/Gong	**A Study of Weathered Geopolymer Samples**	Vanderbilt University
2013	Nathan	Brostoff	M	Rising HS Junior	Hyde School, Woodstock, CT	Dr. Viragh	**quantification of magnetite in waste glasses using mossbauer spectroscopy**	
2013	Jonathan	Bentley	M	Rising HS Junior	Trinity School at Meadow View, Falls Church (VA)	Dr. Gilbo	**Leach Testing of Hanford Low-Activity Waste Glasses**	UVA
2013	Genevieve	Glista	F	Rising HS Senior	McLean HS	Dr. Muller	**Data Management of Hanford Low-Activity Waste Glasses**	UVA
2012	Christine	Dedoulis	F	Rising HS Junior	St. John' s College, Washington DC	Dr. Sarkar Biophysics	**Force-Extension study of single DNA molecules**	
2012	Mary	Piescik	F	Rising HS Junior	Trinity School at Meadow View, Falls Church (VA)	Dr. Bumrongjaroen		
2012	Jason	Xie	M	Rising HS Senior	Baton Rouge HS, Louisiana	Dr. Mehl	**Development of Spheroidal 3D Cell Cultures for Biomedical Applications**	
2011	Max	Lutze	M	Rising HS Senior	Bethesda/Chevy Chase High School	Dr. Kot	**Evaluation of temperature profile for glass sample casting**	
2011	Benjamin	Hsu	M	Rising HS Junior	Thomas Jefferson HS for Science & Tech.	Dr. Gilbo	**Developing a MySQL Database and C# Client to Manage Mössbauer Spectroscopy Data**	
2011	Sharon	Lee	F	Rising HS Senior	Trinity School, Falls Church (VA)	Dr.B (May)	**Study of Non-Alkali Activation of Fly Ash by Thermal Analysis**	
2011	William	Kraemer	M	Rising HS Senior	The Barrie School	Dr. Abhijit Sarkar Biophysics		
2011	Eileen Marie	Williams	F	Rising HS Junior	Colnolie School of the Holy Child MD)	Dr. Gong/Lutze		
2011	Mary	Zischkau	F	Rising HS Senior	Oakcrest High School	Dr. McKeown		
2010	Nazli	Tropha	F	Rising HS Senior	Paint Branch HS (MD)	Dr. Malbika Chauduri - tiles from CRT tubes	**Development of non vitreous ceramic tile by utilizing CRT tube glass waste**	
2010	Yiwen	Feng	F	Rising HS Senior	Wootton HS Rockville, MD	Dr. Charles Viragh - Mossbauer Spectroscopy	**Controlling the Redox State of Glasses by Mössbauer Spectroscopy**	
2010	Aditi	Sarkar	F	Rising HS Junior	Montgomory Blair High School	Dr. John Philip - Nanotechnology		
2010	Roxane	Jaffray	F	Rising HS Senior	McLean HS (VA)	Dr. Isabelle Muller on Glass Leaching	**New Leach Test Method 1314 and comparison to PCT, TCLP and VHT**	University of Toronto
2010	Nathan	Luke	M	Rising HS Junior	St. Mary's Ryken HS (MD)	Dr.P.Mehl"	**Synthesis of Iron-Gadolinium Particles for Biomedical Applications**	
2010	Kalman	Muller	M	Rising HS Senior	Marshall HS (VA)	Dr. Dutta - Thermoelectrics	**Thermoelectric Power Generator**	VCU
2010	Christina	Penafiel	F	Rising HS Junior	St. John's College HS (DC)	Dr. Papathanassiu - Glass Leaching	**Measuring the Dissolution Rate of Glass Using Single-Pass Flow-Through Test (SPFT)"**	CUA
2010	Stephen	Rowe	M	Rising HS Senior	Trinity School, Falls Church (VA)	Dr. Tania Horn - NUCLEAR PHYSICS	**Design of a Kaon Aerogel Cherenkov Detector**	
2010	Max	Lutze	M	Rising HS Junior	Bethesda/Chevy Chase High School	Dr. Weiliang Gong - Bioremediation	**Uranium bioremediation**	
2009	Amedee	d'Aboville	M	Rising HS Senior	Thomas Jefferson for Sc. & Tech.	Dr. John Philip		McGill
2009	Jacob	Kannarkat	M	Rising HS Senior	Thomas Jefferson for Sc. & Tech.	Dr. John Philip and Dr. P.Mehl	**Formation of Porous Polysaccharide Scaffolds for Bone Tissue Engineering**	
2009	Cecilia	Zischkau	F	Rising HS Senior	Oakcrest High School	Dr. B. Dutta	**X-Ray Diffraction Studies of Bismuth-Containing High Level Waste Glass Formulations**	

	43
	61
	104
Percentage Female student	41.3%