



# Case Studies in Science Workshop

## Roster for May 19–23, 2008 Session: Case Studies in Science Workshop

Please see the [Case Study Teachers Directory](#) for our latest contact information about participants who have chosen to be listed.

<p><b>Suparna Bhalla</b> <a href="mailto:bhalla@msmc.edu">bhalla@msmc.edu</a> Natural Science Natural Science Mount Saint Mary College Newburgh, NY <b>Case Topics:</b> General Biology; Anatomy &amp; Physiology; Biochemistry <b>Courses:</b> General biology; anatomy and physiology; biochemistry</p>	<p><b>Glenda Broad</b> <a href="mailto:glendabr@comcast.net">glendabr@comcast.net</a> Nursing Lancaster General College of Nursing Lancaster, PA <b>Courses:</b> Fundamentals of Nursing <b>Case Topics:</b> Aseptic meningitis; chronic anemia in the elderly; causes of loss of independence in the elderly</p>	<p><b>Karen Campbell</b> <a href="mailto:kcampbell@alb.edu">kcampbell@alb.edu</a> Biology Albright College Reading, PA <b>Courses:</b> General Biology (cellular and anatomy &amp; physiology); Advanced Vertebrate Physiology; Comparative Vertebrate Anatomy; non-majors Biology <b>Case Topics:</b> Human physiology (cardiovascular, neurological); animal (vertebrate) physiology (adaptation to environment); exercise physiology</p>
<p><b>Sigrid Carle</b> <a href="mailto:carle@hws.edu">carle@hws.edu</a> Biology Hobart and Wm Smith Colleges Geneva, NY <b>Courses:</b> Genetics; Cell Biology <b>Case Topics:</b> P53 and cancer; misfolded proteins and disease; metastasis</p>	<p><b>Laura Cotlin</b> <a href="mailto:lcotlin@uab.edu">lcotlin@uab.edu</a> Cell Biology University of Alabama—Birmingham Birmingham, AL <b>Courses:</b> Fundamentals I (first-year med school); Medical Histology (first-year med school); Histology (for dental and optometry students) <b>Case Topics:</b> Cell biology of cancer; histology/pathology; medical biochemistry</p>	<p><b>Kirsten Davis</b> <a href="mailto:kirstendavis@boisestate.edu">kirstendavis@boisestate.edu</a> Construction Management Boise State University Boise, ID <b>Courses:</b> Construction Materials and Methods; Introduction to Construction Management; Drawings, Specifications, and Codes; Construction Contracts and Law <b>Case Topics:</b> Various aspects of the architecture/engineering/construction (AEC) industry, including ethical and legal/contractual issues, leadership &amp; management of people, organizational management, and project management.</p>
<p><b>Rodney Decipeda</b> <a href="mailto:rodney.c.decipeda@cmsdnet.net">rodney.c.decipeda@cmsdnet.net</a> Science Teacher Cleveland School of Science and Medicine Cleveland, OH <b>Courses:</b> Physical/Earth &amp; Space Science (9th Grade) <b>Case Topics:</b> Measurement and</p>	<p><b>Ayesha Delpish</b> <a href="mailto:adelpish@elon.edu">adelpish@elon.edu</a> Mathematics Elon University Elon, NC <b>Courses:</b> General Statistics; Probability Theory; Design of Experiments <b>Case Topics:</b> Sample HT; simple</p>	<p><b>Susan DeSimone</b> <a href="mailto:sdesimon@middlebury.edu">sdesimon@middlebury.edu</a> Biology Middlebury College Middlebury, VT <b>Courses:</b> Genetics; Cell Biology <b>Case Topics:</b> Color blindness (genetic and biochemistry); cell differentiation; cell signaling</p>

<p>units; the Scientific Method; kinematics (frame of reference, scalars vs. vectors)</p>	<p>regression; multiple regression</p>	
<p><b>Bruce Doran</b>  <a href="mailto:bruce.doran@anu.edu.au">bruce.doran@anu.edu.au</a>                  Ferner School of Environment and Society                  The Australian National University                  Canberra, Australia  <b>Courses:</b> Introduction to Remote Sensing and Geographic information Systems; Applied Geographic Information Systems; ABC  <b>Case Topics:</b> GIS and archeology; GIS and satellite tracking; GIS and fear of crime</p>	<p><b>Olukemi Fadayomi</b>  <a href="mailto:fadayok@ferris.edu">fadayok@ferris.edu</a>                  Biological Sciences                  Ferris State University                  Big Rapids, MI  <b>Courses:</b> Cell Biology; Medical Parasitology; Introductory Biology  <b>Case Topics:</b> Enzyme; schistosomiasis; cellular respiration</p>	<p><b>Anne Farewell</b>  <a href="mailto:anne.farewell@cmb.gu.se">anne.farewell@cmb.gu.se</a>                  CMB-Microbiology                  Gothenburg University                  Gothenburg, Sweden  <b>Courses:</b> Microbiology; Microbiology (distance/hybrid); Prokaryotic Molecular Microbiology; Genes and Signals  <b>Case Topics:</b> Bacterial antibiotic resistance; current bacterial adaptive mutation debate; swarming motility in <i>E. coli</i></p>
<p><b>Paul Francis</b>  <a href="mailto:pfrancis@mso.anu.edu.au">pfrancis@mso.anu.edu.au</a>                  Department of Physics                  The Australian National University                  Canberra, Australia  <b>Courses:</b> Physics and Astronomy (both 1st yr calculus-based); Honors Astrophysical Techniques; Intro to Astrophysics (Masters-level, online)  <b>Case Topics:</b> Sports physics/mechanics; planetary science; statistics and data handling</p>	<p><b>Diane Galley</b>  <a href="mailto:dgalley@place.dawsoncollege.qc.ca">dgalley@place.dawsoncollege.qc.ca</a>                  Biology                  Dawson College                  Montreal, QC  <b>Courses:</b> Intro to Human Anatomy and Physiology (for pre-U students); Intro to Human Anatomy and Physiology (for Nursing students)  <b>Case Topics:</b> Transport of respiratory gases (oxyhemoglobin dissociation curve); factors/systems regulating pH; regulation of blood pressure</p>	<p><b>John Gibson</b>  <a href="mailto:pgibson@ou.edu">pgibson@ou.edu</a>                  Zoology, Botany, and Microbiology                  University of Oklahoma                  Norman, OK  <b>Courses:</b> Introductory Biology for majors and non-majors  <b>Case Topics:</b> Ecological footprints; endocrine disruptors; protecting biodiversity</p>
<p><b>Andrea Hagedorn</b>  <a href="mailto:a_hagedo@jmsb.concordia.ca">a_hagedo@jmsb.concordia.ca</a>                  Waterloo Chair in Design Engineering                  University of Waterloo                  Waterloo, ON  <b>Courses:</b> Not applicable  <b>Case Topics:</b> Chemical engineering; manufacturing/process engineering; engineering management</p>	<p><b>Lori Harper</b>  <a href="mailto:harperl@sjabr.org">harperl@sjabr.org</a>                  Science                  St. Joseph's Academy                  Baton Rouge, LA  <b>Courses:</b> Bioethics; Physical Science  <b>Case Topics:</b> Genetic markers and privacy issues; environmental ethics; stem cells</p>	<p><b>Timothy Hayes</b>  <a href="mailto:hayest@obu.edu">hayest@obu.edu</a>                  Chemistry                  Ouachita Baptist University                  Arkadelphia, AR  <b>Courses:</b> Nutritional Biochemistry; Biochemistry; Physical Science; Experimental Techniques in Chemistry; Chemistry Research Seminar  <b>Case Topics:</b> Low-carbohydrate diet; PKU or another metabolic disease with a genetic cause; personalized medicine using gene sequence, microarray or proteomic data to choose between pharmaceutical therapies that have different mechanisms of action</p>
<p><b>Anne Johnson</b>  <a href="mailto:anne.johnson@ryerson.ca">anne.johnson@ryerson.ca</a></p>	<p><b>Paul King</b>  <a href="mailto:pc.king@verizon.net">pc.king@verizon.net</a></p>	<p><b>Vicki LaPlace</b>  <a href="mailto:laplacev@sjabr.org">laplacev@sjabr.org</a></p>

<p>Chemistry &amp; Biology Ryerson University Toronto, ON <b>Courses:</b> Organic Chemistry I &amp; II; Pharmaceutical Chemistry <b>Case Topics:</b> Anti-Markovnikov addition of HBr to alkenes; ethylene glycol poisoning; enzymatic stereochemical inversion (mechanisms of epimerases and racemases)</p>	<p>Biology Massasoit Community College Brockton, MA <b>Courses:</b> Biological Principles (introductory molecular aspects of biology, basically the first 20 or so chapters of Campbell's <i>Biology</i>) <b>Case Topics:</b> Genetics; disease; DNA technology</p>	<p>Science St. Joseph's Academy Baton Rouge, LA <b>Courses:</b> Biology; Physical Science <b>Case Topics:</b> Genetic markers and privacy issues; environmental ethics; stem cells</p>
<p><b>Jim Lassoie</b> <a href="mailto:jpl4@cornell.edu">jpl4@cornell.edu</a> Department of Natural Resources Cornell University Ithaca, NY <b>Courses:</b> <b>Case Topics:</b></p>	<p><b>Steve Lin</b> <a href="mailto:lins@fiu.edu">lins@fiu.edu</a> School of Accounting Florida International University Miami, FL <b>Courses:</b> Intermediate Accounting; International Accounting; Global Accounting; Auditing; Financial Strategy <b>Case Topics:</b> Forensic accounting; financial fraud; financial analysis</p>	<p><b>Lynn Maelia</b> <a href="mailto:maelia@msmc.edu">maelia@msmc.edu</a> Division of Natural Science Mount Saint Mary College Newburgh, NY <b>Courses:</b> Chemical Principles; Natural Science Seminar <b>Case Topics:</b> Alternative energy; global warming; spectroscopy</p>
<p><b>Timothy Murphy</b> <a href="mailto:murphy@findlay.edu">murphy@findlay.edu</a> Environmental, Safety and Occupational Health Associate Professor Findlay, OH <b>Courses:</b> Environmental Treatment Methods; Project Management and Planning; Risk Assessment; Production Operations and Auditing; Basic Environmental Health <b>Case Topics:</b> Environmental risk assessment; site safety; worker exposure</p>	<p><b>Lori Nicholas</b> <a href="mailto:lori.nicholas@nyu.edu">lori.nicholas@nyu.edu</a> General Studies Program New York University New York, NY <b>Courses:</b> Life Science <b>Case Topics:</b> Cancer and genes; discovery of DNA as genetic material; discovery of structure of DNA</p>	<p><b>Sean O'Muircheartaigh</b> <a href="mailto:sean.omuircheartaigh@gmit.ie">sean.omuircheartaigh@gmit.ie</a> Physical Science Galway Mayo Institute of Technology Galway, Ireland <b>Courses:</b> Chemistry; Analytical Techniques; Organic Chemistry; Forensic Chemistry; Environmental Chemistry; Industrial Chemistry; Research Supervision Nanoceramic Technology <b>Case Topics:</b> Forensic science; safety; environmental science; chemistry; product liability</p>
<p><b>Natasha Patrito</b> <a href="mailto:npatrito@uwo.ca">npatrito@uwo.ca</a> Chemistry The University of Western Ontario London, ON <b>Courses:</b> Ethics in the Physical Sciences <b>Case Topics:</b> Ethics in the physical sciences; environmental chemistry; thermodynamics</p>	<p><b>Janet Petroski</b> <a href="mailto:petroski@msmc.edu">petroski@msmc.edu</a> Division of Natural Sciences Mount Saint Mary College Newburgh, NY <b>Courses:</b> Analytical Chemistry; Instrumental Chemistry; Introductory Chemistry I &amp; II; Chemical Principles I &amp; II <b>Case Topics:</b> Analytical chemistry; instrumental chemistry; physical chemistry</p>	<p><b>Kirsten Poling</b> <a href="mailto:kpoling@uwindsor.ca">kpoling@uwindsor.ca</a> Biological Sciences University of Windsor Windsor, ON <b>Courses:</b> Human Physiology I &amp; II <b>Case Topics:</b> Urinary system function; digestive physiology; cardiovascular physiology</p>
<p><b>Annie Prud'homme Genereux</b> <a href="mailto:apg@questu.ca">apg@questu.ca</a> Life Sciences Quest University Canada</p>	<p><b>Deborah Robertson</b> <a href="mailto:debrobertson@clarku.edu">debrobertson@clarku.edu</a> Biology Clark University</p>	<p><b>Jonathan Rodgers</b> <a href="mailto:jdr22@buffalo.edu">jdr22@buffalo.edu</a> Counseling, School &amp; Educational Psychology</p>

<p>Squamish, BC  <b>Courses:</b> Neurosciences; Cornerstone; Molecular Biology  <b>Case Topics:</b> Biochemistry (RNA polymerase mechanism of action); molecular biology (using mitochondrial DNA as a tool to search past ancestry); neuropsychology (brain mechanism of drugs and addiction)</p>	<p>Worcester, MA  <b>Courses:</b> Marine Biology (with Seminar); Introductory Biology; Ecology of Atlantic Shores  <b>Case Topics:</b> Oceans in a changing climate; iron fertilization in the Southern Ocean; oceanic primary productivity</p>	<p>University at Buffalo  Buffalo, NY  <b>Courses:</b> Introduction to Psychology  <b>Case Topics:</b> Psychological diagnosis &amp; treatment of mental illness in children; advanced biology &amp; evolution; advanced statistical concepts</p>
<p><b>Gino Romeo Jr</b>  <a href="mailto:gino_romeo@yc.edu">gino_romeo@yc.edu</a>  Science &amp; Professional Studies  Yavapai College  Clarkdale, AZ  <b>Courses:</b> Chemistry for Allied Health; General Chemistry  <b>Case Topics:</b> Chemistry for nurses; chemistry &amp; the environment ; chemistry &amp; materials</p>	<p><b>Md Shammin</b>  <a href="mailto:rumi.shammin@oberlin.edu">rumi.shammin@oberlin.edu</a>  Environmental Studies  Oberlin College  Oberlin, OH  <b>Courses:</b> Environment &amp; Society; Energy &amp; Society; Local vs. Global: Environmental Issues Beyond Borders  <b>Case Topics:</b> Climate change; urban sustainability; energy conservation</p>	<p><b>Julie Smit</b>  <a href="mailto:jsmit@uwindsor.ca">jsmit@uwindsor.ca</a>  Biological Sciences &amp; Centre for Teaching and Learning  University of Windsor  Windsor, ON  <b>Courses:</b> Biology of Organisms; Organisms and Their Environment (both courses are 1st year biology for non-majors)  <b>Case Topics:</b> Eutrophication (to develop/not develop around a lake); whether to save species endangered in Canada that are abundant in US and other countries; pesticide usage (maximized crop production vs. potential negative effect on environment and inhabitants)</p>
<p><b>Michele Snyder</b>  <a href="mailto:michele.snyder@clinton.edu">michele.snyder@clinton.edu</a>  Math/Science Division  Clinton Community College  Plattsburgh, NY  <b>Courses:</b> General Biology, Science Inquiry (Bio/Chem), Human Biology  <b>Case Topics:</b> Using mtDNA to study evolutionary relationships or ALU insertions to study population diversity within or b/w populations; vitamin D deficiency; scientific process</p>	<p><b>Khairulzad Sulaiman</b>  <a href="mailto:khairulzad@hc.edu.sg">khairulzad@hc.edu.sg</a>  Science (Biology)  Hwa Chong Institution (College)  Singapore, Singapore  <b>Courses:</b> Biology  <b>Case Topics:</b> Molecular basis of cancer; cell division (mitosis and meiosis); photosynthesis &amp; cellular respiration</p>	<p><b>Wenjie Sun</b>  <a href="mailto:wsun@carthage.edu">wsun@carthage.edu</a>  Geography  Carthage College  Kenosha, WI  <b>Courses:</b> Introduction to Human Geography; Introduction to GIS; Geography of East Asia; Introduction to Remote Sensing  <b>Case Topics:</b> Human geography; GIS; East Asia</p>
<p><b>Kimberly A. Swaggard-Svec</b>  <a href="mailto:kimberly.a.swaggard@cmsdnet.net">kimberly.a.swaggard@cmsdnet.net</a>  Science Department  Cleveland School of Science and Medicine  Cleveland, OH  <b>Courses:</b> Biology  <b>Case Topics:</b> Genetics; microbiology; ecology</p>	<p><b>Choon Siew Tan</b>  <a href="mailto:tancs@hc.edu.sg">tancs@hc.edu.sg</a>  Science/Chemistry  Hwa Chong Institution (College)  Singapore, Singapore  <b>Courses:</b> High School Chemistry  <b>Case Topics:</b> Organic chemistry; spectroscopic methods (NMR, IR, UV/visible); separation techniques (various forms of chromatography)</p>	<p><b>Greg Tefft</b>  <a href="mailto:gtefft@northweststate.edu">gtefft@northweststate.edu</a>  Biological Sciences  Northwest State Community College  Archbold, OH  <b>Courses:</b> Biology for non-majors; Microbiology; Anatomy &amp; Physiology  <b>Case Topics:</b> Chemistry for biology non-majors; bioremediation; bacterial identification</p>

**Filippos Ververidis**[ververid@steg.teicrete.gr](mailto:ververid@steg.teicrete.gr)

Plant Sciences

TEI of Crete, GREECE

Heraklion, Greece

**Courses:** Agricultural Chemistry;

Agricultural Biotechnology;

Seminar Presentation: How to

Organize in Oral and Writing

**Case Topics:** Agricultural

chemistry/biochemistry; plant

biotechnology; genetically

modified microorganisms and

plants

**Kathryn White**[kwhite@mail.accd.edu](mailto:kwhite@mail.accd.edu)

Natural Sciences

St. Philip's College

San Antonio, Texas

**Courses:** Nutrition; Anatomy &

Physiology; General Biology

**Case Topics:** Cellular respiration;

protein digestion and absorption;

lipid digestion and absorption

**Janet Wyman**[jwyman@place.dawsoncollege.qc.ca](mailto:jwyman@place.dawsoncollege.qc.ca)

Biology

Dawson College

Montreal, QC

**Case Topics:** Pathophysiology of the

nervous system; anatomy &amp;

physiology of the endocrine system;

anatomy &amp; physiology of the

muscular system

**Courses:** Anatomy and Physiology

for Nursing Students (the third in a

series of four courses in human

anatomy and physiology,

immunology and microbiology)

[Workshop Home](#) | [Workshop Schedule](#) | [Workshop FAQ](#) | [Workshop Staff](#)[Fan Mail](#) | [In the News](#) | [Rosters](#)

Home