

## INNOVATION VOUCHERS INITIATIVE

### Ulster University

Shore Road, Newtownabbey, Co. Antrim, BT37 0QB

## DIRECTORY OF SKILLS AND EXPERTISE



### College Contact Point for Innovation Voucher Enquires:

Kerry Patterson

Tel: **02890 368603 (DL)**

E-Mail: [k.patterson@ulster.ac.uk](mailto:k.patterson@ulster.ac.uk)

Department/Unit	Specific services offered	Contact Name	Address	Telephone	E-Mail address
Faculty of Arts	<ul style="list-style-type: none"><li>• 2D and 3D digital animation</li><li>• 2D and 3D Games design</li><li>• 3D computer modelling &amp; visualisation</li><li>• Automotive styling</li><li>• Character design &amp; development</li><li>• Film - Documentary (development, direction &amp; production)</li><li>• Film - shorts (writing, directing &amp; production)</li><li>• Graphic Design and branding</li><li>• History</li><li>• Historical statistics</li><li>• Human Security</li><li>• Illustration</li><li>• Interactive media</li><li>• International State building / repairing failed states</li><li>• Irish Cultural heritage</li><li>• IT - Mac OSX &amp; OSX Server &amp; Linux</li></ul>	Helen Jackson	Room C219 School of Media, Film & Journalism Ulster University Coleraine campus Cromore Road Coleraine Co. Londonderry BT52 1SA	02870 124184	<a href="mailto:h.jackson@ulster.ac.uk">h.jackson@ulster.ac.uk</a>

	<ul style="list-style-type: none"> <li>• Journalism</li> <li>• Languages (German, Spanish, French, English &amp; Irish)</li> <li>• Linguistics</li> <li>• Mobile interfaces &amp; software applications</li> <li>• Multimedia design (front end)</li> <li>• Music Technology - production &amp; facility development</li> <li>• Music- (composing and conducting)</li> <li>• Photography</li> <li>• Play / Theatre (writing, directing and production)</li> <li>• Product Design and innovation (Toys, Engineering Enclosures, clinical applications, consumer product)</li> <li>• Poverty &amp; Development</li> <li>• Radio Broadcasting</li> <li>• Screenwriting &amp; story-editing</li> <li>• Search engine optimisation</li> <li>• Sound Engineering - recording, programming, sound design, sound systems &amp; acoustics</li> <li>• Video, Media Management &amp; Streaming</li> <li>• Viral marketing</li> <li>• Web and email marketing</li> <li>• Web Development (with particular focus on media rich content)</li> </ul>				
<b>Faculty of Art, Design and the Built Environment</b>	<ul style="list-style-type: none"> <li>•Applied Art &amp; Craft – Ceramics,</li> <li>•Architectural Design &amp; Technology</li> <li>•Art in Public, communities and social issues</li> <li>•Building Services and Energy Engineering</li> <li>•Building Surveying</li> <li>•CAD prototyping and customisation of apparel in 2 and 3 D views</li> <li>•Civil Engineering</li> </ul>	Janet Coulter	Room 81F15, Ulster University, Belfast campus, Belfast BT15 1ED	02890 267236	<a href="mailto:jm.coulter@ulster.ac.uk">jm.coulter@ulster.ac.uk</a>

	<ul style="list-style-type: none"> <li>•Construction Engineering and Management</li> <li>•Digital Imaging</li> <li>•Environmental Health</li> <li>•Fine Art</li> <li>•Fire safety testing and engineering <ul style="list-style-type: none"> <li>• Finite Element analysis -Structures</li> <li>• Finite Element analysis -Fire</li> <li>• Concrete Structures</li> <li>• Steel Structures</li> <li>• Structural Analysis</li> </ul> </li> <li>•Furniture Design</li> <li>•Housing Management</li> <li>•Interactive Multimedia Design</li> <li>•Interior Design Services</li> <li>•Irish Visual Culture</li> <li>•Landscape Architecture</li> <li>•Photography</li> <li>•Product Design – 2D, 3D Prototyping</li> <li>•Product Design Innovation: Specialisms in Scientific instrument Design, Medical Device Design, construction industry products, Telecoms devices, ICT peripherals, production furniture design, design for disability, user interface design.</li> <li>•Property Investment and Development</li> <li>•Quantity Surveying</li> <li>•Renewable Energy Management</li> <li>•Silversmithing – Jewellery, Trophy Design</li> <li>•Sustainable Technologies services</li> <li>•Textile Material product</li> <li>•Textiles &amp; Fashion Design</li> <li>•Urban Planning and Property Development</li> <li>•Visual Communication and graphic Design</li> <li>•Web Design</li> </ul>				
--	---	--	--	--	--

<p><b>Faculty of Social Science</b></p>	<ul style="list-style-type: none"> <li>•Corporate video production</li> <li>•Internal Communication</li> <li>•Public Relations</li> <li>•Lobbying</li> <li>•Social and consumer research</li> <li>•Employment Law</li> <li>•Social Services</li> <li>•Interpersonal Communication Skills</li> <li>•360 degree executive assessment practices</li> <li>•Selection, recruitment and development assessments</li> <li>•Interviewing practices</li> <li>•Presentation Skills</li> <li>•Negotiation and Bargaining Skills</li> <li>•Executive Mentoring.</li> </ul>	<p>Ms Fiona McMahon</p>	<p>Room 17E18 Ulster University Jordanstown campus, Shore Road, Newtownabbey BT37 0QB</p>	<p>028 90368525</p>	<p><a href="mailto:fc.mcmahon@ulster.ac.uk">fc.mcmahon@ulster.ac.uk</a></p>
<p><b>Faculty of Computing and Engineering</b></p>	<ul style="list-style-type: none"> <li>• Software Development</li> <li>•Software Quality</li> <li>• Knowledge and data engineering</li> <li>• Software process engineering</li> <li>• Telecommunications and network engineering</li> <li>• Image processing</li> <li>• Self-managing systems and autonomic computing</li> <li>• Software system analysis, design, reuse and maintenance</li> <li>• Intelligent network resourcing and performance management</li> <li>• Speech Technologies &amp; Natural Language Processing</li> <li>• Computational intelligence</li> <li>• Spiking neural networks</li> <li>• Fuzzy systems</li> <li>• Multiple valued logic systems</li> <li>• Cognitive robotics</li> <li>• Intelligent multimedia</li> <li>• Wireless sensory systems</li> <li>• Design automation</li> <li>• Machine vision systems</li> </ul>	<p>Professor Jonathan Wallace</p>	<p>Room 16J19, Ulster University, Jordanstown campus, Shore Road, Newtownabbey, BT37 0QB</p>	<p>02890 368974</p>	<p><a href="mailto:jg.wallace@ulster.ac.uk">jg.wallace@ulster.ac.uk</a></p>

	<ul style="list-style-type: none"> <li>• Bio-inspired computational systems</li> <li>• Cognitive robotics</li> <li>• Ambient intelligence</li> <li>• Brain/computer interfacing</li> <li>• Human Computer Interaction,</li> <li>• Usability</li> <li>• Open Innovation</li> <li>• 2D and 3D Digital Animation</li> <li>• 2D and 3D Games Design</li> <li>• 3D Computer Modelling &amp; Visualisation</li> <li>• Interactive Media</li> <li>• Telecommunications Technologies</li> <li>• Wireless Technologies</li> <li>• Mobile Interfaces &amp; Software Applications</li> <li>• Multimedia Design &amp; Development</li> <li>• Internet Technologies</li> <li>• Web Development (including media rich content)</li> <li>• Search engine optimisation</li> <li>• Viral marketing</li> <li>• Web and email marketing</li> <li>• Robotics</li> <li>• Intelligent Systems</li> <li>• Embedded Systems</li> <li>• CAD / CAM</li> <li>• Product Design &amp; Innovation</li> <li>• Lean Manufacturing</li> <li>• Medical Devices</li> <li>• Design &amp; Development of Connected Health Product &amp; Service Solutions</li> <li>• Polymers &amp; Advanced Materials</li> <li>• Engineering Composites</li> <li>• Materials characterisation</li> <li>• Sensors</li> <li>• Biomaterials</li> <li>• Plasma processing</li> <li>• Metal forming</li> <li>• Nanoscience and nanofabrication</li> </ul>				
--	--	--	--	--	--

	<ul style="list-style-type: none"> <li>• Finite Element Analysis</li> <li>• Prototyping</li> <li>• Testing</li> <li>• Printed Circuit Board (PCB) design and build</li> <li>• 3D Printing (rapid prototype)</li> <li>• Thermal Imaging</li> </ul>				
<b>Faculty of Life &amp; Health Sciences</b>	<ul style="list-style-type: none"> <li>• 3D CT Imaging and Surface Modelling with Rapid Prototyping Technology</li> <li>• Applied Behavioural Analysis</li> <li>• Bioimaging</li> <li>• Bioredmediation</li> <li>• Bone Density Measurement</li> <li>• Concept Development</li> <li>• Consumer Research</li> <li>• Counselling</li> <li>• Development and Evaluation of Functional Foods</li> <li>• Development of International Health Care Systems</li> <li>• Development of Sports Facilities and Activities</li> <li>• Development of Tools for Health Care and Rehabilitation</li> <li>• Development and Validation of Biomarkers</li> <li>• Environmental Management Systems</li> <li>• Food Safety Management Systems</li> <li>• Forensic Medicine</li> <li>• Fuel Poverty</li> <li>• Human Intervention Studies</li> <li>• Infection Control</li> <li>• Innovative Practice in Health Services</li> <li>• Learning Disability Policies and Strategies</li> <li>• Mass Spectrometric Analysis</li> <li>• Natural Products Characterisation</li> </ul>	Professor Suzanne Martin	<p>Professor of Occupational Therapy</p> <p><a href="#">Institute of Nursing and Health Research</a></p> <p>Room 01B114</p> <p><a href="#">School of Health Sciences</a></p> <p>Ulster University Jordanstown campus Shore Road Newtownabbey Co. Antrim BT37 0QB</p>		

	<ul style="list-style-type: none"> <li>•Nutraceutical Applications</li> <li>•Occupational Therapy</li> <li>•Optometry</li> <li>•Physiotherapy</li> <li>•Pollution Monitoring</li> <li>•Pre-Clinical Drug Discovery</li> <li>•Proteomics</li> <li>•Research Skills Training</li> <li>•Scientific Literature Reviews</li> <li>•Small Batch Fermentation</li> <li>•Spatial Mapping for Health Care</li> <li>•Planning and Facilities Management</li> <li>•Sports Performance and Technology</li> <li>•Speech Therapy</li> <li>•Surveys for Business and Community</li> <li>•Systems Biology</li> <li>•Waste Treatment</li> </ul> <p><b>Bioimaging Core Facility Unit</b> World leading facility with extensive expertise in:</p> <p style="text-align: center;"><b>Electron Microscopy</b></p> <p>Scanning Electron Microscopy</p> <ul style="list-style-type: none"> <li>• High Vacuum</li> <li>• Variable Pressure</li> <li>• Environmental SEM</li> <li>• Cryo-SEM</li> <li>• Dual Beam FIB/SEM milling</li> <li>• Cryo Dual Beam</li> <li>• Micro and nano sample manipulation</li> </ul>				
--	--	--	--	--	--

	<p>Transmission Electron Microscopy (including 3D tomography)</p> <p style="text-align: center;"><b>Optical Microscopy</b></p> <ul style="list-style-type: none"> <li>• STED Super Resolution Confocal microscopy</li> <li>• Fluorescence Microscopy</li> <li>• Phase Contrast/Dark Field</li> <li>• Stereo Zoom</li> <li>• Laser Capture microscopy</li> <li>• Micro-injection</li> </ul> <p style="text-align: center;"><b>Image Analysis</b></p> <p>High quality, multi-dimensional digital image processing and analysis</p> <p style="text-align: center;"><b>Sample Processing</b></p> <p>Full range of support facilities for sample culture, storage, manipulation and all types of sample processing.</p> <p>A proven track record of working with industry from small companies to world leading Pharma. Additional information is available at <a href="http://biomed.science.ulster.ac.uk/bmsri/-Bioimaging-Core-Facility-">http://biomed.science.ulster.ac.uk/bmsri/-Bioimaging-Core-Facility-</a></p>				
<p><b>Ulster Business School</b></p>	<ul style="list-style-type: none"> <li>•Project management</li> <li>•Finance and investment</li> <li>•Marketing</li> <li>•Entrepreneurship</li> <li>•Operation management</li> <li>•Strategic management and logistics</li> </ul>				



	<ul style="list-style-type: none"> <li>•Supply chain management</li> <li>•Bespoke training</li> <li>•Recruitment and selection</li> <li>•Management training</li> <li>•New business model development</li> <li>•Marketing strategy and business development plans (Create differentiation for your business, Strengthen your company's market position, Improve your staff's sales productivity, Develop a strategic marketing mix, Expand your market share, Enhance your company's marketing communications</li> <li>•Using Internet for Marketing</li> <li>•Marketing communications activity</li> <li>•Development of company identity/brand</li> <li>•Marketing research projects, including Customer Satisfaction Surveys, Competitor, Customer and Market Analysis</li> <li>•Hospitality Marketing</li> <li>Marketing Food and Wine</li> <li>Alcoholic Beverage Management</li> <li>Business Planning</li> <li>•Marketing Strategy Development and Implementation</li> <li>•Promotional and PR Activities</li> <li>•Business Planning</li> <li>•Strategy Development</li> <li>•Clustering</li> <li>•Export Market Research</li> <li>•Funding Submissions</li> <li>•Strategic Development</li> <li>•Information Systems Management</li> <li>•Information Management</li> <li>E Business</li> <li>•People Development</li> <li>•Project Management</li> </ul>				
--	--	--	--	--	--

	<ul style="list-style-type: none"> <li>• Customised and open management and business development solutions. (Topic areas include Strategy, Finance, Leadership, People Management &amp; Development, Recruitment &amp; Selection including Assessment &amp; Development Centres, Marketing, Finance, Business Improvement, Governance &amp; Business Ethics)</li> <li>• Accounting, finance, audit and corporate governance.</li>   <li>• Development of Co-creation and living lab processes</li> <li>• Development of user-orientated and lead user processes</li> <li>• Development of Open innovation management and HR practices</li> <li>• Open Business Model Development and Audit</li>   <li>• Sensory testing of both food and beverages</li> <li>• Functional test on products</li> <li>• New Concept Development</li> <li>• Benchmark tests with market leaders</li> <li>• Development of product ranges</li> <li>• Development of recipes on a product by product basis so as to add value/healthier/added nutrients etc</li> <li>• Use of testing suite with panellists</li> <li>• Provision of advice and guidance on how products can be 'scaled up' and assist with the implementation</li> <li>• Marketing research examining the trends in various food and beverages categories</li> <li>• Identification of the main trends taking place and categorisation of any</li> </ul>				
--	--	--	--	--	--

	<p>particular emerging innovations and developments</p> <ul style="list-style-type: none"><li>•Identification of changes in consumer behaviour and how the various factors impact on consumer choice</li><li>•Qualitative research into consumer attitudes, perceptions and opinions toward new packaging, ideas, innovations and product/services</li><li>•Access to shelf life analysis</li><li>•Measurement and recording food intake</li><li>•Microbial counts within foods</li><li>•Drawing up HACCP, Quality Control and Quality Assurance procedures and manuals on a company by company basis</li><li>•Analysis of the nutrition content of recipes on a product by product basis</li><li>•Extending Shelf Life</li><li>•General Consumer research</li><li>•Menu Development</li><li>•Tailored Training Courses</li><li>•Equipment Testing</li><li>•Food and Wine Matching</li><li>•Stock Control implementation</li></ul>				
--	--	--	--	--	--