ESTABLISHMENT OF A PANEL FOR THE PROVISION OF UNIQUE BIOMEDICAL SCIENCE REAGENTS, ANTIBODIES, KITS, DRUGS/THERAPEUTICS, CELLS AND RELATED TOOLS

BRIEFING DOCUMENT

(AND QUALIFICATION QUESTIONNAIRE - SEE APPENDIX 1)

Title:	Unique Biomedical Science Goods
Procedure:	Panel under open procedure
Duration of the Panel	The panel will be established for four (4) years with the option for additional annual advertising to expand the panel and/or seek additional products if required.
UoG Reference:	GALW/CON1385/2024
Issue Date:	Friday 26th April 2024
Closing Date for Queries:	Tuesday 21st May 2024 at 12.00 hours (Irish time) Please note that queries raised through the eTenders portal will not be monitored/answered during the week 29/04-03/05/2024. An additional calendar week has been added to the competition timelines to compensate for this.
Closing Date for submission of Qualification Questionnaires:	Monday 10th June 2024 at 12.00 hours (Irish time) The panel will stay open for applications after this date. The Contracting Authority will consider new applications annually, at a minimum.
Submissions and Queries via:	eTenders only

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The Contracting Authority

University of Galway (herein after referred to as the "Contracting Authority" or University) has been inspiring minds since 1845 as a research-led university. University of Galway is one of the oldest and largest universities in Ireland. We are at the heart of a distinct and vibrant region, renowned for its unique culture, creative industries, medical technologies, marine ecology and economy, and our innovation.

University of Galway is a global perspective, and our university contributes greatly to the diversity and dynamism of Galway, the most international city in Ireland. Through our teaching and research, we attract and develop talent from around the world to address global challenges.

With over 19,000 students, University of Galway has a long-established reputation of teaching and research excellence in the Colleges of Arts, Social Sciences, and Celtic Studies; Business, Public Policy and Law; Engineering and Science, and Medicine, Nursing & Health Sciences. With a complement of over 2,700 (full-time equivalent) staff, University of Galway (Contracting Authority) is one of the largest employers in Galway and makes a significant contribution to the economic, social, and cultural fabric of the city.

University of Galway's vision is to be a driver of transformational change for our people, our region and our world. We will think globally by inspiring, celebrating and advancing the critical role that our University has in delivering sustainable development. We act locally by empowering our people, investing in our purpose and engaging with the distinctive needs of our region.

We create a distinctively values-based culture, which has excellence, ambition and the wellbeing of our communities at its core. Our vision will be guided by our university values of respect in our actions, excellence in our work, openness in our outlook and sustainability in our approach. Distinguished by kindness and a commitment to equality, this culture will empower our people to thrive. We will harness our distinctive strengths and creative energy to deliver significant and sustainable societal impact.

Our university is at the heart of a distinctive city and region, renowned for its culture, creativity, technology and innovation. Drawing on these distinctive strengths will set us apart internationally. We aim to stimulate creative potential of our students, staff, alumni and wider community to advance our teaching, research, innovation and engagement in and for the world.

Learn more at www.universityofgalway.ie/

Disclaimer

This document issued herewith ("the Document") is for information only and does not constitute, and shall not be interpreted as, an offer for sale, prospectus, or the basis of a contract. All information contained in this Briefing Document (and Qualification Questionnaire - See Appendix 1) is provided for the purpose of facilitating the production and submission of a Tender.

Applicants are recommended to read the documents thoroughly. While all reasonable steps have been taken to ensure that the information set out in the Document is accurate and up to date, no representation or warranty, express or implied, is or will be made or given in relation to the accuracy or the completeness of any information contained in the Document or otherwise provided by or on behalf of **University of Galway** (in writing or otherwise) to any interested party or its advisers. No responsibility or liability for any loss or damage arising as a result of reliance on these documents, or for the information contained in these documents or for any omission is or will be accepted by the Contracting Authority or by any of its officers, employees, agents or professional advisers. No officer, employee, agent, or professional adviser of the company has any authority to give or make any representation or warranty, express or implied, in relation to such information. The Contracting Authority's officers, employees, agents, and professional advisers expressly disclaim any and all liability arising out of such documentation or information and any errors or omissions in or from the documents and information.

The Contracting Authority shall **NOT** be bound to accept the lowest or any Tender proposal and reserves the power to accept any part of any Tender proposal, unless the bidder expressly stipulates to the contrary at the time of Tender.

The Contracting Authority reserves the right to discontinue the procurement process at any time and not make an award decision.

Note

Please note that information relating to this Briefing Document (and Qualification Questionnaire - See Appendix 1), including clarifications and changes, will be published on the Irish Government Procurement Opportunities Portal www.etenders.gov.ie. Registration is free of charge and there is no charge for documents. Please note that the Contracting Authority accepts no responsibility for information relayed (or not relayed) via third parties.

The Contracting Authority has provided a Response Document (**APPENDIX 1: Qualification Questionnaire, below**) for applicants to use in preparing their response to this competition.

This document and format must be used.

1 Details of Panel

1.1 Duration of the Panel

The panel will be established for a period of four (4) years with the option for additional annual advertising to expand the panel and/or seek additional products if required.

1.2 Estimated value of the panel

The estimated value of the contracts to be awarded on foot of the panel is in the range of €540,000 to €600,000 over its projected four (4) year term.

1.3 Use of the Panel

The panel will be established on foot of this competition.

a. It is intended that the panel will be used for all of items specifically listed under Section 2.1 of this Briefing Document, arising during the life of the panel.
b. The panel will also be used for additional goods falling within the scope of the panel, where these are required for the purpose of research continuity.

There is no guarantee of additional contracts, but where they arise, the Contracting Authority will consult the member(s) of the panel in accordance with the rules of operation outlined in this Request for Tenders.

1.4 Awarding Contracts under the Panel

Contracts on foot of this panel may be awarded directly to the most suitable panel member on foot of the original qualification questionnaire or by consultation with the Framework Member and/or through invitation to provide a quotation for the required good(s) within the constraints laid down in this Briefing Document and the Panel Terms and Conditions.

If a situation arises where more than one panel supplier is able to provide specific good(s), then the Contracting Authority will run a mini-competition to determine the most suitable supplier.

1.5 Compliance with the Terms and Conditions

Admission to the panel and the award of any contracts thereunder is conditional upon acceptance of the Contracting Authority's Terms and Conditions, which are provided at Appendix 2. Applicants are deemed to accept these terms and conditions on submitting a response to this Briefing Document (by way of Qualification Questionnaire - See Appendix 1).

2 Scope of Requirements

The Contracting Authority seeks to establish a panel for the provision of specific Biomedical Science reagents, antibodies, kits, drugs/therapeutics, cells and related tools, with unique characteristics, as described hereunder or otherwise required for continuity of research purposes. While a number of similar products are available to the Contracting Authority from existing contracts and frameworks, the specific goods sought hereunder do not appear to be available through the existing arrangements, but are nevertheless required by the Contracting Authority, for continuity of research purposes.

2.1 Technical Requirements

In order to be deemed eligible for admittance to the panel, tenderers must be able to demonstrate their ability to provide **one (1) or more of the specific items listed below**, with identical characteristics as specified, as these are required by the Contracting Authority for continuity of research purposes.

The Contracting Authority reserves the right to seek samples for verification of suitability, at its discretion, if deemed necessary.

Item Name	Category of Item	General description of Item	Unique characteristics/specs of the item
Recombinant human MCP1 protein (Active)	Recombinant protein	Acts as a ligand for CCR2 receptor, >=95% purity, from HEK293 cells, tag free.	Other providers have options for Human MCP-1/CCL2, but expressed in Ecoli.
Anti-Perilipin 3 / TIP47 antibody	Antibody	Rabbit anti Human/Rat, WB, IHC-P, ICC-IF	Needs to be reactive to Rat & Human, and for use in WB, IHC & ICC.
Anti-F4/80 antibody [CI:A3-1]	Antibody	Rat anti mouse, macrophage marker, for use in Flow, ICC/IF, monoclonal CI:A3-1.	Needs to be A3-1 clone and for use in Flow Cytometry.
Anti-HMGB1 antibody [KS1]	Antibody	Mouse anti human, IHC-P & WB, monoclonal KS1.	Needs to be KS1 clone.
Anti-HSD3B2 antibody [373CT9.1.3]	Antibody	Mouse anti human, Flow & WB, monoclonal.	Needs to be tested for use in Flow Cytometry.
Macrophage Marker (CD11b, CD68, CD163, CD14, CD16) Antibody Panel - Human	Antibody panel	Panel of 5 anti-human antibodies against macrophage markers, 2x10ul of each.	

Movat Pentachrome Stain Kit (Modified Russell-Movat)	Histology staining kit	Movat Pentachrome Stain Kit (Modified Russell-Movat) is intended for use in histological demonstration of collagen, elastin, muscle, mucin and fibrin in tissue sections.	
Mouse Recombinant Monoclonal CD62P antibody	Antibody	Validated in Flow Cyt, IHC-P, ICC/IF, IHC-Fr and tested in Human samples	Must be mouse recombinant monoclonal.
Rabbit recombinant Monoclonal Anti-VCP antibody [EPR3307(2)]	Antibody	IHC-P, IP, WB, ICC/IF, Flow Cyt; Human, Mouse, Rat	Must be rabbit recombinant monoclonal.
Rabbit Monoclonal Anti-ROS1 antibody [EPMGHR2]	Antibody	WB, IHC-P; Human	Must be rabbit recombinant monoclonal
Mouse Recombinant Monoclonal Anti-Mucin 5AC antibody [45M1]	Antibody	ICC/IF, IHC-P, mIHC, IHC-Fr; Human, Mouse, Rat	Must be mouse recombinant monoclonal
Rabbit Recombinant Monoclonal Anti-Coronin-1C antibody [EPR25365-24]	Antibody	IP, WB; Human, Mouse, Rat, Recombinant full length protein - Human	Must be rabbit recombinant monoclonal
Recombinant Anti-Visfatin antibody	Antibody/Protein	Detection antibody for human Visfatin	Other providers lacked a suitable antibody that was supported by publications.
Anti-lamin B1 antibody	Antibody	Antibody that binds to mouse,rat and human lamin proteins	Must be a rabbit monoclonal antibody
Anti-zyxin antibody	Antibody	Antibody that binds to mouse, rat and human zyxin proteins	Must be a rabbit monoclonal antibody and be validated in flow cytometry and immunohistochemistry (IHC-P), in addition to western blot and immunocytochemistry
Anti-alpha gal antibody (m86)	Antibody	Antibody that binds to alpha-gal (m86) molecule	This recombinant antibody must be produced from a human host

Alexa Fluor® 488 Anti-Fibronectin antibody	Antibody	Antibody that binds to human fibronectin protein and is conjugated with a fluorescent molecule detected at 488 nm	Must be a monoclonal antibody made of rabbit and be conjugated with Alexa Fluor® 488
Anti-NeuN antibody [EPR12763] - Neuronal Marker	Antibody	Antibody that binds to human,mouse,rat,zebrafish and most common mammal NeuN protein/neuronal marker	Must be a rabbit monoclonal antibody and be verified by Immunohistochemistry, Western blot, immunocytochemistry and flow cytometry
Anti-Collagen I antibody	Antibody	Antibody that binds to human Collagen I protein	Must be a polyclonal antibody made of rabbit
Anti-active YAP1 antibody	Antibody	Antibody that binds to human and mouse YAP1 protein	Must be a rabbit monoclonal antibody
Anti-Paxillin antibody	Antibody	Antibody that binds to human and mouse Paxillin protein	Must be a rabbit monoclonal antibody
Anti-Human Nuclear Antigen antibody [235-1]	Antibody	Antibody that binds to human nuclear antigen, particularly useful if there are human cells in a xeno-tissue	Must be a mouse monoclonal antibody
Anti-Human Nucleoli antibody [NM95] - Nucleolar Marker	Antibody	Antibody that binds in human nucleoli, particularly useful of the detection of the human marker in a xeno-tissue	Must be a mouse monoclonal antibody
Anti-VGluT1 antibody	Antibody	Antibody that binds in human and mouse VGluT proteins	Must be a rabbit moloclonal antibody and be verified by means of immunohistochemistry, immunocytochemistry and Western Blot.

HRP Anti-GFAP antibody	Antibody	Antibody that binds in GFAP and is conjugated to HRP	Must be a rabbit monoclonal antibody and also conjugated with HRP.
Recombinant Human Siglec-9 Fc Chimera protein	Recombinant protein	97% purity, NSO derived, 62.7kDa (monomer).	Must be human version, not mouse Siglec-E, and of high >95% purity.
Recombinant Human Siglec-10 Fc Chimera protein	Recombinant protein	>90% purity, NSO derived, 85 kDa (monomer)	Must be none-tagged version.
Recombinant Mouse Siglec-G Fc Chimera protein	Recombinant protein	95% purity, NSO derived, 86kDa.	
Recombinant Human Siglec 7 Fc Chimera protein	Recombinant protein	>85% purity, NSO derived, 64kDa.	
Human IL-8/CXCL8 ELISA Kit	Antibody Kit	ELISA for detection of human IL-8/CXCL8	Sensitivity up to 7.5 pg/mL;
Endothelin-1 ELISA Kit	Antibody Kit	ELISA for detection of human Endothelin-1	Sensitivity: 0.207 pg/mL,
Proteome Profiler Human Angiogenesis Array Kit	Antibody Kit	Array Kit to measure multiple antigens	
Human Serpin E1/PAI-1 ELISA Ki	Antibody Kit	ELISA for detection of human Serpin E1/PAI-1	Sensitivity: 0.142 ng/mL,
Human TIMP-1 ELISA Kit	Antibody Kit	ELISA for detection	Sensitivity: 0.08 ng/mL,
Human IL-8/CXCL8 ELISA Kit	Kit	Kit for measuring IL-8/CXCL8	Sensitivity to 7.5 pg/mL
Human GPT ELISA Kit	Kit	ELISA kit to measure human GPT in serum or urine.	Sensitivity of 0.025 mU/mL

Human Siglec-10 antibody, monoclonal, clone 265817.	Antibody	Mouse anti human, WB, clone 265817, NSO derived.	Must be monoclonal, 265817, and non-conjugated.
Human Granzyme B ELISA	ELISA kit	detection range: 39-2500pg/ml	Needs to be this detection range: 39-2500pg/ml.
Human B-Endorphin ELISA kit	ELISA Kit	Competitive ELISA for measuring beta endorphin levels in saliva samples. Sensitivity 9.38pg/ml. Detection Range 15.63-1000pg/ml	Needs to be this sensitivity/detection range, and ideally 24 well sample plates.
Arachis hypogaea Lectin (PNA) - Cy5	Molecule	This plant lectin, with a fluorescent tag attached, can be used to distinguish between normal and tumour tissues via cellular imaging and flow cytometry.	Needs to be Cy5 fluorophore conjugated.
Mouse GABA ELISA kit	ELISA Kit	Competitive-ELISA used to measure GABA levels in serum, plasma, cell culture supernatants.	Needs to be this detection range: 31.25-2000pg/ml.
Highly validated antibodies	Antibodies	Highly validated, affordable range of data-rich antibodies designed for life science research	Require every batch to have undergone Quality Control. Shipped as a more stable lyophilisate. Stability tested. Transparent data – all available for us to access on request. All the corresponding data, images, etc for each antibody needs to be available on supplier website.
Fluorescent Ligands	Ligands	New alternative to radioligands	Fluorescent ligands have several advantages unique to them: immediate 'real time' readout, multi-colour and multi-paramenter data generation, no scintilltion required and enhanced safety

			due to no radioisotope use or disposal required.
Anti-Mouse IgG1-specific in the 800nm channel	Antibody/Protein	This fluorescent secondary antibody is used in western blotting to bind to primary antibodies that were brought up in mice. These secondary antibodies fluoresce on the 800nm and are compatible with the Licor Odyssey Fc imager.	We image all our blots on the Licor Odyssey Fc imager, so we need fluorescent secondary antibodies that bind specifically to mouse IgG1 and are compatible with the 800nm channel on this imager.
Goat anti-Mouse IgM-specific in the 680nm channel	Antibody/Protein	This fluorescent secondary antibody is used in western blotting to bind to primary antibodies that were brought up in mice (via the heavy chain mouse IgM). These secondary antibodies fluoresce on the 680nm and are compatible with the Licor Odyssey Fc imager.	We image all our blots on the Licor Odyssey Fc imager, so we need fluorescent secondary antibodies that bind specifically to mouse IgM and are compatible with the 680nm channel on this imager
Goat anti-Rabbit IgG	Antibody/Protein	This antibody reacts with the heavy and light chains of rabbit IgG	We image all our blots on the Licor Odyssey Fc imager, so we need fluorescent secondary antibodies that bind specifically to rabbit IgG and are compatible with the 680nm channel on this imager
Pre-stained protein ladder	Protein	A pre-stained protein ladder that can be used as a standard in gel	We need a pre-stained protein ladder with 11 protein bands ranging from approx 8-260kDa. This ladder

		electrophoresis/western blotting for visual inspection of protein migration through the gel (and transfer onto nitrocellulose membrane following wet transfer), near-infrared (NIR) two-colour detection and identification of proteins of interest based on the protein size.	needs to be resistant to stripping (when removing primary/secondary antibodies), to allow for re-probing of blots. This ladder needs to be compatible with the blot imager we have in the lab: Licor Odyseyy Fc.
Blocking Buffer for western blotting	Buffer	Blocking buffer that does not contain mammalian proteins and is prepared in a Tris-buffered saline, which provides highly efficient blocking and minimal background variability for western blot replicates.	We need a highly efficient blocking buffer that does not contain mammalian proteins and is made in tris-buffered saline when blotting for highly sensitive proteins, such as phosphorylated proteins. Conventional blocking buffers (milk or bovine serum albumin solutions) are not appropriate for these proteins and can result in the highly sensitive protein of interest not being detected.
Kits for transfecting difficult cell lines that are compatible with current transfecting device in the lab.	Kit	For transfecting DNA into what are considered difficult-to transfectcell lines	We need a highly efficient kit that can transfect DNA into difficult-to-transfect cell lines. It is essential that this kit is compatible with the electroporator system (Amaxa Nucleofector II) that we have in the lab.
CRISPR-Engineered Cell Lines	Cells	Prebuilt CRISPR-edited human cell lines for multiple physiologically relevant targets, tagged with reporter tags such as HiBiT.	Prebuilt CRISPR-edited human cell lines for multiple physiologically relevant targets, with specific reporter tags, such as HiBiT are needed.

Cell lines and clones for use with sensitive bioiluminescence technology	Cells	Edited cell line pools and clones to facilitate studying popular protein degradation targets, using sensitive bioluminescence technology.	Edited cell line pools and clones to facilitate studying popular protein degradation targets, using sensitive bioluminescence technology.
Microsatellite Instability Analysis System	Kit	Microsatellite instability testing (MSI testing) measures the ability of a cell to repair mistakes in DNA replication.	Require the gold standard MSI Analysis System in clinical research for measuring the ability of cells to repair mistakes in DNA replication.
High-throughput Luciferase Reporter Assays, using luciferase derived from firefly, Renilla reniformis and deep-sea shrimp.	Kit	Luciferase assays use luminescent reactions to study live cell protein dynamics. They do so by using lytic or live-cell reagents that provide varying levels of brightness and signal stability.	We need kits that are designed to be used in multi-well formats, so that they can be used for automated high-throughput screening, cytotoxicity assays and cell proliferation assessments. We need the luminescent signal to have a half-life of 5 hours or greater to ensure stability of the reagent so that multiple plates can be assessed and comparable. Depending on the sensitivity of the experiment we would need to use luciferase from firefly or Renilla reniformis. For certain experiments, luciferase needs to be derived from deep-sea shrimp as it is approx 100-fold brighter than either firefly or Renilla reniformis luciferase, so provides highly sensitive detection that is not attainable by firefly or Renilla reniformis derived luciferase.

3 Instructions to Applicants

Every effort has been made to ensure that this Document contains all the necessary information for the completion of applications. The Contracting Authority does not warrant or represent that this Document, or any other information given to applicants, is accurate or complete. No liability is accepted for any error, misstatement, or omission (negligent or otherwise) in this Document, or in any other information given to applicants.

3.1 Queries

The closing date for the queries are specified on the title page.

All queries regarding this tender should be through the messaging facility on www.etenders.gov.ie, including any omissions which would prevent applicants from submitting a comprehensive response. Please submit queries as soon as possible.

In circulating responses, queries will be edited to avoid disclosing the identity of the querist and will be circulated to all parties who have expressed an interest in the procurement on the eTenders website.

Please note that information relating to this Qualification Questionnaire, including clarifications and changes, will be published on the Irish Government Procurement Opportunities Portal www.etenders.gov.ie. Registration is free of charge and there is no charge for documents. Please note that the Contracting Authority accepts no responsibility for information relayed (or not relayed) via third parties.

3.2 Submission of Applications

The Contracting Authority is using the tender postbox facility and applications must be submitted electronically via the eTenders postbox facility on www.etenders.gov.ie only.

The Contracting Authority is not responsible for corruption in electronic documents. Applicants must ensure electronic documents are not corrupt.

Applicants should produce their response as a **single uploaded file**, if possible, which is clearly labelled, page numbered and indexed.

3.3 Closing date for Initial Applications

The closing date for the application is specified on the title page.

Applicants must ensure that they give themselves enough time to upload and submit all required documentation before the closing date/time. Applicants should consider the fact that upload speeds vary. There is a maximum of 2.14 GB for individual files sent to the electronic post-box and a one-hour limit for upload. In order to submit a document to the electronic post-box, please note that you must click “Submit Response”. After submitting you can still modify and re-send your response up until response deadline. Applicants should be aware that the ‘Submit Response’ button will be disabled automatically upon the expiration of the response deadline.

It is the responsibility of the applicant to ensure that their application is complete and is uploaded by the designated deadline. Applications that are received late or via other means **will not** be considered in this public procurement competition.

It is important to note that only persons who have downloaded and accepted a document can submit an upload.

3.4 Completing the Qualification Questionnaire

When completing the Qualification Questionnaire contained in *Appendix A* to this Document, Applicants should note the following conditions:

All questions must be completed in full using the format provided.

All questions should be answered with relevance to the subject matter of this competition. For the avoidance of doubt, it is emphasised that the information requested in the Qualification Questionnaire is aimed solely at determining the suitability and choice of applicants for entry to the competitive tendering stage. Only at that subsequent tendering stage will the selected tenderers be invited to tender in application to the specific requirements of the contract in the light of the published award criteria and the Request for Tender document.

Where a 'Rule' is associated with a particular question, applicants must satisfy the requirements of the rule in order to remain eligible for consideration in the competition.

Applicants are permitted to add lines to the pro-forma tables and boxes set out within the Qualification Questionnaire if required.

The Qualification Questionnaire must be completed in English.

All financial information should be denominated in euro (€), except where financial information is being provided in a certified or audited supporting document such as a set of financial statements in which case it is sufficient for the information to remain in its original currency.

Failure to provide a sufficient level of detail or to explain adequately any relevant matters may result in such data or information not being taken into account during the evaluation process.

The Contracting Authority is not responsible for and will not pay for any expense or cost incurred or loss suffered by an applicant in the preparation or submission of its application or otherwise. Further, the Contracting Authority is not responsible for any travel or accommodation costs incurred by the applicant unless previously agreed in writing by the Contracting Authority. Each applicant is fully responsible for the entirety of all expenses and/or costs it incurs in the presentation or submission of an application or in participating in this process and competition.

3.5 Applications from SMEs and Consortia

The Contracting Authority seeks to encourage participation on a fair and equal basis by Small and Medium Enterprises (SME) in this Competition. SMEs that believe the scope of this Competition is beyond their technical or business capacity are encouraged, subject to this paragraph, to explore the possibilities of forming relationships with other SMEs or with larger enterprises. Through such relationships they can participate and contribute to the successful implementation of any Services Contracts that may result from this Competition and therefore increase their social and economic benefits.

Larger enterprises are also encouraged, subject to this paragraph, to consider the practical ways that SMEs can be included in their proposals to maximise the social and economic benefits of any Services Contracts that may result from this Competition.

Where a group of undertakings (in whatever form and regardless of the legal relationship between them) come together to submit an application in response to this Briefing Document and Qualification Questionnaire the Contracting Authority will deal with all matters relating to this Competition through the entity who will carry overall responsibility for the performance of the contract only (the "Prime Contractor"), irrespective of whether or not tasks are to be performed by a subcontractor or other consortium member (the "Subcontractor"). The applicant must clearly and comprehensively set out the name, title, telephone number, postal address, and email address of the nominated contact personnel of the Prime Contractor authorised to represent the applicant and to whom all communications shall be directed and accepted until this Competition has been completed or terminated. Correspondence from any other person (including from any Subcontractor) **will not** be accepted or responded to.

Applicants are reminded that they may rely on the resources of other entities in order to establish the suitability requirements on condition that they can prove to the satisfaction of the Contracting Authority that they will have these resources at their disposal when necessary.

If the application is from a consortium / joint venture applicants must ensure that all the relevant information is provided and where necessary, provide the information requested separately for each party.

3.6 European Single Procurement Document

In accordance with 2014 Directives, suppliers may have compiled a European Single Procurement Document (ESPD), either electronically via the eESPD on eTenders or as a separate uploaded attachment with the Qualification Questionnaire, which will be accepted as evidence of compliance with *Section A* of the Questionnaire. However, the Contracting Authority requires evidence via completed submission of *Section B* relating to Technical Capacity. Mere confirmation **will not** be sufficient under these headings.

Progression to tender stage will be conditional upon identified applicants providing evidence of self-declared information to the Contracting Authority. Failure to provide appropriate evidence within the required timeframe specified will result in the applicant being deemed inadmissible for the next stage of the competition.

3.7 Evaluation of Applications

An "Application" comprises a completed Qualification Questionnaire including the associated appendices.

Applications will be evaluated strictly on their merits in accordance with the published selection criteria, minimum rules and weightings specified in the Qualification Questionnaire.

3.8 Clarification of Applications

While not being obliged to seek clarifications from applicants, the Contracting Authority reserves the right, at its absolute discretion, to ask applicants for clarification or elaboration of their applications to assist in its evaluation of applications.

However, it is emphasised that the Contracting Authority will **not** be obliged to seek clarification where any of the essential pass requirements set out in the Qualification Questionnaire have not been met. Therefore, applicants should pay particular attention to ensure that their applications contain all the required information.

3.9 Freedom of Information Act

All responses to this Briefing Document and Qualification Questionnaire will be treated in confidence and no information contained therein will be communicated to any third party without the written permission of the applicant except insofar as is specifically required for the consideration and evaluation of the response or as may be required under law, including the Freedom of Information Act 2014, EU and Irish Government Procurement rules.

Applicants are requested to consider if any of the information supplied by them in response to this Briefing Document (and Qualification Questionnaire - See Appendix 1) should not be disclosed because of its sensitivity. If that is the case, applicants should specify the information that is sensitive and the reasons for its sensitivity. The Contracting Authority cannot guarantee that any information provided by applicants, either in response to this Briefing Document and Qualification Questionnaire, or in the course of any contract awarded as a result thereof, will not be released pursuant to the Contracting Authority's obligations under law, including the Freedom of Information Act 2014, or to those under EU and Irish Government Procurement rules. The Contracting Authority accepts no liability whatsoever in respect of any disclosure of the relevant information which is subsequently released or in respect of any consequential damage suffered as a result of such disclosure.

3.10 Interference

Any effort by the applicant to unduly influence the Contracting Authority, relevant agency personnel or any other relevant persons or bodies in the process of examination, clarification, evaluation and comparison of applications and in decisions concerning the award of the contract shall have their application rejected.

In accordance with Section 38 of the Ethics in Public Office Act 1995 any money, gift or other consideration from a person holding or seeking to obtain a contract will be deemed to have been paid or given corruptly unless the contrary is proved.

3.11 Inducement to Purchase

The Contracting Authority shall be entitled to disqualify an applicant in one of the following circumstances:

(a) If the applicant has offered or given or agreed to give to any person any gift or consideration of any kind as an inducement or reward for doing or forbearing to do, or for having done or forborne to do, any action in relation to the obtaining or execution of this contract award procedure or showing or forbearing to show favour or disfavour to any person in relation to this contract award procedure or any other contract award procedure with the Contracting Authority, or

(b) If like acts have been done by any other person employed by the applicant or acting on its behalf (whether with or without the knowledge of the applicant).

APPENDIX 1: Qualification Questionnaire

Ref.	Pass/Fail Criteria	Pass Requirements
A1	Applicant General Information	Provide contact and general information on the applicant organisation - company name, address and contact details for individual responsible for this competition and company overview as well as information on consortium/joint venture members and/or sub-contractors if applicable.
A2	Declarations of Bona Fides	Applicants are required to complete and sign the Declaration of Bona Fides relating to: a) Art. 57 of Directive 2014/24/EU as implemented by Regulation SI 284 of May 2016; b) Compliance with relevant statutory obligations. Where tenderers are established and operating outside of the jurisdiction of supply, compliance with equivalent legislation as applicable in the country of establishment / operation is required. This includes the Children First Act (2015); c) Article 5K Declaration regarding the EU regulation 2022/576 on restrictive measures in the Context of Russian Actions in the Ukraine.
A3	General Data Protection Regulation	Applicants must confirm operation of Data Protection Management systems and procedures in line with all relevant Data Protection legislation and confirm that they agree to be bound by University of Galway terms outlined in the Qualification Questionnaire in respect of Data Protection.
A4	Tax Compliance Financial Capacity Insurance	Applicants are required to complete a Self-Declaration Form (**A4 – Financial and Economic Standing**). Applicants should note that if invited to tender, they will be required to provide the evidence self-declared prior to receipt of Request for Tender.
A5	Health & Safety	Applicants must provide information which demonstrates operation of Health & Safety systems and procedures in line with all relevant Safety, Health & Welfare at Work legislation. The Contracting Authority reserves the right to seek further information to verify compliance.
A6	Environmental Systems	Applicants must provide information which demonstrates operation of an appropriate environmental management system whether externally certified or in-house.
A7	Supply-Chain	Applicants are required to provide details of their supply-chain and vendor relationships which provide confidence that good sourcing arrangements are in place.
A8	Quality Assurance Measures	Applicants should provide information on the measures in place to ensure the delivery of a quality service, for example by way of an externally certified system, or an equivalent in-house quality control process or system.

A9	Ability to Meet Requirements	Applicants are required to demonstrate their ability to provide one (1) or more of the specific items listed below, with identical characteristics as specified.

All questions must be completed in full using the format provided.

A1 – Applicant General Information				
Weighting: Pass/Fail **Pass Requirement:** Applicants must complete this Section				
Organisation Name:				
Contact Name:				
Position:				
Address:				
Telephone (Office):				
Telephone (Mobile):				
Email:				
Website:				
VAT Registration Number:				
Date of Establishment:				
Legal Status (Company, Sole Trader, etc.):				
Is the Applicant a Small and Medium Enterprise (SME)?	Yes		No	
SMEs are enterprises which employ fewer than 250 persons and which have an annual turnover not exceeding €50 million, and/or an annual balance sheet total not exceeding €43 million				
Is the applicant a consortium / group of economic operators / relying on sub-contractors?	Yes		No	
If yes, please provide the following information for each party joining the applicant				
Name	Legal Status	Element to be delivered / element being relied upon for qualification		
Each separate member must submit a separate Qualification Questionnaire completed in full as part of the Application with a clearly identified Lead Party and details on the nature of the relationship between all members.				

A2 – Declaration of Bona Fides			
Article 57 under Public Sector Directive 2014/24/EU			
Weighting: Pass/Fail **Pass requirement:** Tenderers must complete, sign and date this Declaration. The Contracting Authority reserves the right at its discretion to exclude a non-compliant tenderer under each heading. This must be completed by each group member.			
Economic Operators will be excluded from the procurement process if, within the past five (5) years, there is evidence of a conviction relating to a specific criminal offence listed below (see 1.1) or if they have been the subject of a binding legal decision which found a breach of legal obligations to pay tax or social security contributions (see 1.2) (except where this is disproportionate e.g. where only minor amounts are involved).			
1.1	Has the Economic Operator or a member of their proposed consortium, (if applicable), Director, or Partner or any other person who has powers of representation, decision or control, been convicted of any of the following offences?	Yes	No
		Please indicate your answer by marking 'X' in the relevant box	
1.1a	participation in a criminal organisation, as defined in Article 2 of Council Framework decision 2008/841/JHA;		
1.1b	corruption, as defined in Article 3 of the Convention on the fight against corruption involving officials of the European Communities or officials of Member States of the European Union and Article 2(1) of Council Framework Decision 2003/568/JHA as well as corruption as defined in Irish Law or the jurisdiction in which the Economic Operator is established;		
1.1c	fraud within the meaning of Article 1 of the Convention on the protection of the European Communities' financial interests;		
1.1d	the subject of a conviction for terrorist offences or offences linked to terrorist activities or for inciting or aiding or abetting or attempting to commit an offence;		
1.1e	the subject of a conviction for money laundering or terrorist financing;		
1.1f	the subject of a conviction of child labour and other forms of trafficking in human beings;		
1.2	Non-payment of taxes or social security obligations Has it been established by a judicial or administrative decision having final and binding effect in accordance with Irish law or the legal provisions of the country in which the Economic Operator is established (if outside Ireland), that the Economic Operator is in breach of obligations related to the payment of tax and social security contributions? If the response to 1.2 above is in the affirmative, please provide further information on the decision and the amounts involved.		
An Economic Operator who answers 'Yes' in any of the situations set out in paragraphs 2.1.a to 2.1.i will be excluded.			

2.1	Please indicate if any of the following situations have applied, within the past three (3) years, or currently apply, to your organisation. The Economic Operator:	Yes	No
		Please indicate your answer by marking 'X' in the relevant box	
2.1a	has, in the performance of any public contract, failed to comply with applicable obligations in the field of environmental, social and labour law applying at the place where the works were carried out or the services provided, as established by EU law, national law, collective agreements or by international, environmental, social and labour law listed in Annex X of Directive 2014/24/EU;		
2.1b	is bankrupt or the subject of insolvency or winding-up proceedings, its assets are being administered by a liquidator or by the court, or has entered into an arrangement with creditors, suspended its business activities or is in any analogous situation arising from a similar procedure under national laws and regulations;		
2.1c	is guilty of grave professional misconduct which renders its integrity questionable;		
2.1d	has entered into agreements with other Economic Operators aimed at distorting competition;		
2.1e	has a conflict of interest within the meaning of Article 24 of 2014/24/EU that cannot be effectively remedied by other, less intrusive, measures;		
2.1f	confirms that it has had prior involvement in the preparation of the procurement procedure which has resulted in a distortion of competition, as referred to in Article 41 of 2014/24/EU, that cannot be remedied by other, less intrusive, measures;		
2.1g	has shown significant or persistent deficiencies in the performance of a substantive requirement under a prior public contract, a prior contract with a contracting entity, or a prior concession contract, which led to early termination of that prior contract, damages or other comparable sanctions.		
2.1h	• is guilty of serious misrepresentation in supplying the information required for the verification of the absence of grounds for exclusion or the fulfilment of the selection criteria; or • has withheld such information or is not able to submit supporting documents required under Article 59 of Directive 2014/24/EU; or		
2.1i	has undertaken to: • unduly influence the decision-making process of the contracting entity, or		

	• obtain confidential information that may confer upon the tenderer undue advantages in the procurement procedure; or • negligently provide misleading information that may have a material influence on decisions concerning exclusion, selection or award.		
Declaration re Statutory Obligations			
We confirm that we are fully compliant with the following legislation, or equivalent legislation in our country of establishment / operation:		Yes	No
(i)	Employment Equality Acts 1998-2011		
(ii)	Equal Status Acts 2000-2011		
(iii)	National Minimum Wage Act 2000 as amended		
(iv)	Organisation of Working Time Act 1997 as amended		
(v)	Safety, Health and Welfare at Work Act 2005 and Safety, Health and Welfare at Work (General Application) Regulations 2007		
(vi)	Disability Act 2005		
(vii)	General Data Protection Regulation 2016/679		
(viii)	Children First Act (2015)		
(ix)	We have procedures in place to ensure that our subcontractors, if any are used for this contract, apply the same standards.		
Article 5K Declaration - EU Regulation 2022/576 on restrictive measures in the Context of Russian Actions in the Ukraine			
A.	In the light of Russian actions in the Ukraine, the European Council adopted a new regulation – EU Regulation 2022/576, aimed at restricting participation in economic activity by economic operators from the Russian Federation. Article 5K of the Regulation prohibits the award or continuation of contracts falling within the scope of the Public Procurement Directives to persons or undertakings related to the Russian Federation. To comply with EU Regulation 2022/576, the Contracting Authority is seeking a declaration from economic operators to this effect.		
B.	I declare that none of the exclusions specified in EU Regulation 2022/576 apply to any party associated with this tender.	Yes	No
This Declaration is made for the benefit of the Contracting Authority I certify that the information provided in this declaration is accurate and complete to the best of my knowledge and belief. I understand that the provision of inaccurate or misleading information in this Declaration will lead to my organisation being excluded from participation in this and future tenders and I am signing on behalf of:			

Name of Economic Operator:	
Authorised Signatory:	
Name in Block Capitals:	
Position:	

A3 – General Data Protection Regulation
Declaration regarding compliance with European General Data Protection Regulation

Contractors/Suppliers must guarantee that in circumstances where they are acting as Data Processors (as defined in European General Data Protection Regulation (GDPR)) on behalf of University (meaning UNIVERSITY OF GALWAY) or in any circumstances where they are handling Personal Data (as defined in the GDPR) on behalf of University that they shall:

1. implement appropriate technical and organisational measures that are sufficient to secure that the processing will (a) meet the requirements of the GDPR and (b) ensure the protection of the rights of the data subject.
2. Comply with all reasonable instructions from University so as to allow University to comply with its obligations under the GDPR.

The Contractor shall notify University immediately if it considers that any of University's instructions infringe applicable Data Protection Legislation.

The Contractor shall provide all reasonable assistance to University in the preparation of any Data Protection Impact Assessment prior to commencing any processing. Such assistance may, at the discretion of University, include:

(a) a systematic description of the envisaged processing operations and the purpose of the processing;
(b) an assessment of the necessity and proportionality of the processing operations in relation to the Services;
(c) an assessment of the risks to the rights and freedoms of Data Subjects; and
(d) the measures envisaged to address the risks, including safeguards, security measures and mechanisms to ensure the protection of Personal Data.

The Contractor shall, in relation to any Personal Data processed in connection with its obligations under this Agreement: process that Personal Data only in accordance with the instructions of University, unless the Contractor is required to do otherwise by EU and Irish law. If it is so required, the Contractor shall promptly notify University before processing the Personal Data unless prohibited by EU and Irish law.

The Contractor shall ensure that it has in place protective measures, which can be reviewed by University at University's discretion as appropriate to protect against a personal data loss event having taken account of the:

1. nature of the data to be protected;
2. harm that might result from a personal data loss event;
3. state of technological development; and
4. cost of implementing any measures;

The Contractor shall ensure that:

1. the Contractor Personnel do not process Personal Data except in accordance with this Agreement; and
2. it takes all reasonable steps to ensure the reliability and integrity of any Contractor

Personnel who have access to the Personal Data and ensure that they:

1. are aware of and comply with the Contractor's duties under this clause;
2. are subject to appropriate confidentiality undertakings with the Contractor or any Sub-processor;
3. are informed of the confidential nature of the Personal Data and do not publish, disclose or divulge any of the Personal Data to any third Party unless directed in writing to do so by University or as otherwise permitted by this Agreement; and

4. have undergone adequate training in the use, care, protection and
5. not transfer Personal Data outside of the EU unless the prior written consent of University has been obtained and the following conditions are fulfilled.

The Contractor shall not transfer Personal Data outside of the EU unless the prior written consent of University has been obtained and the below conditions are fulfilled:

1. University or the Contractor has provided appropriate safeguards in relation to the transfer as determined by University;
2. the Data Subject has enforceable rights and effective legal remedies;
3. the Contractor complies with its obligations under the Data Protection Legislation by providing an adequate level of protection to any Personal Data that is transfer; and
4. the Contractor complies with any reasonable instructions notified to it in advance by University with respect to the processing of the Personal Data;
5. at the written direction of University, delete or return Personal Data (and any copies of it) to University on termination of the Agreement unless the Contractor is required by Law to retain the Personal Data.

The Contractor shall notify University immediately if it:

(a) receives a data subject access request (or purported data subject access request);

(b) receives a request to rectify, block or erase any Personal Data;

(c) receives any other request, complaint or communication relating to either Party's obligations under the Data Protection Legislation;

(d) receives any communication from the Information Commissioner or any other regulatory authority in connection with Personal Data processed under this Agreement;

(e) receives a request from any third Party for disclosure of Personal Data where compliance with such request is required or purported to be required by Law; or

(f) becomes aware of a Data Loss Event.

The Contractor shall maintain complete and accurate records and information to demonstrate its compliance with this clause.

The Contractor shall allow for audits of its Data Processing activity by University or University's designated auditor.

Before allowing any Sub-processor to process any Personal Data related to this Agreement, the Contractor must notify University in writing of the intended Sub-processor and processing; and obtain the written consent of University.

The Contractor shall remain fully liable for all acts or omissions of any Sub-processor.

The Contractor accepts that University shall not accept any liability clauses where Personal Data Processors are indemnified against fines or claims under the General Data Protection Regulation.

I confirm that I have read this section and that the organisation which I represent in this tender process complies fully with all the requirements set out herein, and agrees to be bound by these terms if successful.

Name of Economic Operator	
Authorised Signatory	
Signature	

A4 – Financial and Economic Standing			
Tax Compliance			
Option 1: I confirm and declare being tax compliant. The Contracting Authority can verify your tax clearance status through Revenue's online facility at http://www.revenue.ie/en/online/tax-clearance.html To this end, please confirm:		Yes	
		No	
Tenderer Name:			
Tax Reference Number (PPSN):			
Access Number:			
Option 2: I confirm that I hold a current valid Tax Clearance Certificate (generally relates to Non-Residents) To this end, please confirm:		Yes	
		No	
Registration Number:			
Certificate Number:			
Option 3: I confirm that I have applied for Tax Clearance status or a Tax Clearance Certificate which will be made available on request		Yes	
		No	
Financial Capacity			
(a) I confirm that I will supply evidence of financial standing, by way of auditor's letter, ensuring the tenderer party has the financial capacity to pay its debts identified on the current statement of assets and liabilities as being the debts as they fall due.			
Insurance			
I confirm that we have the following insurances in place:			
Insurance Type	Level in place	Details of Excess	Expiry Date
Employers Liability Level Required: €13m or local equivalent	€		
Public / Products Liability Level Required: €6.5m	€		
I confirm that I will provide the following promptly on request at any time prior to the award decision being made: Evidence of insurances in place or Letter from Insurance Broker confirming that the required levels could be put in place if successful		Yes	
		No	
I confirm that if successful, where the levels required under the contract or framework are higher than those		Yes	

currently in our possession, I will be in a position to put the required forms and levels of insurances required in place promptly.	No	
Please note that the Contracting Authority will seek to verify self-declarations regarding financial capacity prior to next stage of the competition.		
Signed:		
Position:		
Date:		

A5 – Health & Safety				
Weighting: Pass/Fail **Minimum requirement to remain eligible in the competition:** Applicants must demonstrate compliance with all the relevant Health & Safety legislation. The Contracting Authority reserves the right to seek further information to verify compliance.				
Do you comply with the Safety Health & Welfare at Work Act 2005?	Yes		No	
Manager responsible for Health & Safety:				
Health & Safety management	Externally Certified		In-house	
If externally certified, please provide the following information:				
Name of Certification Body:				
Date of most recent certification:				
Scope of Certification:				
I confirm that evidence of compliance will be provided promptly on request.	Yes		No	

A6 – Environmental Systems				
Weighting: Pass/Fail **Minimum requirement to remain eligible in the competition:** Applicants must demonstrate compliance with all the relevant Environmental legislation and guidelines. The Contracting Authority reserves the right to seek further information to verify compliance.				
Do you comply with all relevant Environmental legislation?	Yes		No	
Manager responsible for Environmental Systems:				
Environmental management	Externally Certified		In-house	
If externally certified, please provide the following information:				
Name of Certification Body:				
Date of most recent certification:				
Scope of Certification:				
I confirm that evidence of compliance will be provided promptly on request.	Yes		No	

A7 – Supply Chain
Weighting: Pass/ Fail **Minimum requirement to remain eligible in the competition:** Tenderers are required to provide details of their supply-chain and vendor relationships which provide confidence that good sourcing arrangements are in place.

A8 Quality Assurance Measures **Weighting**: Pass/ Fail **Minimum requirement to remain eligible in the competition:** Applicants should provide information on the measures in place to ensure the delivery of a quality service, for example by way of an externally certified system, or an equivalent in-house quality control process or system.	
If externally certified, please provide details of:	
Name of certification body:	
Date of certification:	
Scope of certification:	
Please set out high level detail on your quality assurance measures:	
Date of first certification:	
Date of most recent renewal:	
Name of person responsible for quality management:	
Please attach copy of Quality Management System certificate with submission	
If you do not have an externally certified system but do have an **in-house system**, please provide details of the processes and procedures for ensuring quality assurance in existence.	

A9 **Ability to Meet Requirements**						
Weighting: Pass/ Fail **Minimum requirement to remain eligible in the competition:** Applicants are required to demonstrate their ability **to provide one (1) or more of the specific items listed below**, with identical characteristics as specified.						
Item Name	**Category of Item**	**General description of Item**	**Unique characteristics/specs of the item**	**Please confirm which of the below you can provide by placing a ✓ in relevant rows**	**Please provide details of how your proposed solution meets the specified requirement. Note: mere affirmation will not suffice.**	**Price Per Unit (excl. VAT)**
Recombinant human MCP1 protein (Active)	Recombinant protein	Acts as a ligand for CCR2 receptor, >=95% purity, from HEK293 cells, tag free.	Other providers have options for Human MCP-1/CCL2, but expressed in Ecoli.			€
Anti-Perilipin 3 / TIP47 antibody	Antibody	Rabbit anti Human/Rat, WB, IHC-P, ICC-IF	Needs to be reactive to Rat & Human, and for use in WB, IHC & ICC.			€
Anti-F4/80 antibody [CI:A3-1]	Antibody	Rat anti mouse, macrophage marker, for use in Flow, ICC/IF, monoclonal CI:A3-1.	Needs to be A3-1 clone and for use in Flow Cytometry.			€
Anti-HMGB1 antibody [KS1]	Antibody	Mouse anti human, IHC-P & WB, monoclonal KS1.	Needs to be KS1 clone.			€

Anti-HSD3B2 antibody [373CT9.1.3]	Antibody	Mouse anti human, Flow & WB, monoclonal.	Needs to be tested for use in Flow Cytometry.			€
Macrophage Marker (CD11b, CD68, CD163, CD14, CD16) Antibody Panel - Human	Antibody panel	Panel of 5 anti-human antibodies against macrophage markers, 2x10ul of each.				€
Movat Pentachrome Stain Kit (Modified Russell-Movat)	Histology staining kit	Movat Pentachrome Stain Kit (Modified Russell-Movat) is intended for use in histological demonstration of collagen, elastin, muscle, mucin and fibrin in tissue sections.				€
Mouse Recombinant Monoclonal CD62P antibody	Antibody	Validated in Flow Cyt, IHC-P, ICC/IF, IHC-Fr and tested in Human samples	Must be mouse recombinant monoclonal.			€

Rabbit recombinant Monoclonal Anti-VCP antibody [EPR3307(2)]	Antibody	IHC-P, IP, WB, ICC/IF, Flow Cyt; Human, Mouse, Rat	Must be rabbit recombinant monoclonal.			€
Rabbit Monoclonal Anti-ROS1 antibody [EPMGHR2]	Antibody	WB, IHC-P; Human	Must be rabbit recombinant monoclonal			€
Mouse Recombinant Monoclonal Anti-Mucin 5AC antibody [45M1]	Antibody	ICC/IF, IHC-P, mIHC, IHC-Fr; Human, Mouse, Rat	Must be mouse recombinant monoclonal			€
Rabbit Recombinant Monoclonal Anti-Coronin-1C antibody [EPR25365-24]	Antibody	IP, WB; Human, Mouse, Rat, Recombinant full length protein - Human	Must be rabbit recombinant monoclonal			€
Recombinant Anti-Visfatin antibody	Antibody/Protein	Detection antibody for human Visfatin	Other providers lacked a suitable antibody that was supported by publications.			€
Anti-lamin B1 antibody	Antibody	Antibody that binds to mouse,rat and	Must be a rabbit monoclonal antibody			€

		human lamin proteins				
Anti-zyxin antibody	Antibody	Antibody that binds to mouse, rat and human zyxin proteins	Must be a rabbit monoclonal antibody and be validated in flow cytometry and immunohistochemistry (IHC-P), in addition to western blot and immunocytochemistry			€
Anti-alpha gal antibody (m86)	Antibody	Antibody that binds to alpha-gal (m86) molecule	This recombinant antibody must be produced from a human host			€
Alexa Fluor® 488 Anti-Fibronectin antibody	Antibody	Antibody that binds to human fibronectin protein and is conjugated with a fluorescent molecule detected at 488 nm	Must be a monoclonal antibody made of rabbit and be conjugated with Alexa Fluor® 488			€

Anti-NeuN antibody [EPR12763] - Neuronal Marker	Antibody	Antibody that binds to human,mouse,rat,zebrafish and most common mammal NeuN protein/neuronal marker	Must be a rabbit monoclonal antibody and be verified by Immunohistochemistry, Western blot, immunocytochemistry and flow cytometry			€
Anti-Collagen I antibody	Antibody	Antibody that binds to human Collagen I protein	Must be a polyclonal antibody made of rabbit			€
Anti-active YAP1 antibody	Antibody	Antibody that binds to human and mouse YAP1 protein	Must be a rabbit monoclonal antibody			€
Anti-Paxillin antibody	Antibody	Antibody that binds to human and mouse Paxillin protein	Must be a rabbit monoclonal antibody			€
Anti-Human Nuclear Antigen antibody [235-1]	Antibody	Antibody that binds to human nuclear antigen, particularly useful if there	Must be a mouse monoclonal antibody			€

		are human cells in a xeno-tissue				
Anti-Human Nucleoli antibody [NM95] - Nucleolar Marker	Antibody	Antibody that binds in human nucleoli, particularly useful of the detection of the human marker in a xeno-tissue	Must be a mouse monoclonal antibody			€
Anti-VGluT1 antibody	Antibody	Antibody that binds in human and mouse VGluT proteins	Must be a rabbit moloclonal antibody and be verified by means of immunohistochemistry, immunocytochemistry and Western Blot.			€
HRP Anti-GFAP antibody	Antibody	Antibody that binds in GFAP and is conjugated to HRP	Must be a rabbit monoclonal antibody and also conjugated with HRP.			€

Recombinant Human Siglec-9 Fc Chimera protein	Recombinant protein	97% purity, NSO derived, 62.7kDa (monomer).	Must be human version, not mouse Siglec-E, and of high >95% purity.			€
Recombinant Human Siglec-10 Fc Chimera protein	Recombinant protein	>90% purity, NSO derived, 85 kDa (monomer)	Must be none-tagged version.			€
Recombinant Mouse Siglec-G Fc Chimera protein	Recombinant protein	95% purity, NSO derived, 86kDa.				€
Recombinant Human Siglec 7 Fc Chimera protein	Recombinant protein	>85% purity, NSO derived, 64kDa.				€
Human IL-8/CXCL8 ELISA Kit	Antibody Kit	ELISA for detection of human IL-8/CXCL8	Sensitivity up to 7.5 pg/mL;			€
Endothelin-1 ELISA Kit	Antibody Kit	ELISA for detection of human Endothelin-1	Sensitivity: 0.207 pg/mL,			€

Proteome Profiler Human Angiogenesis Array Kit	Antibody Kit	Array Kit to measure multiple antigens				€
Human Serpin E1/PAI-1 ELISA Ki	Antibody Kit	ELISA for detection of human Serpin E1/PAI-1	Sensitivity: 0.142 ng/mL,			€
Human TIMP-1 ELISA Kit	Antibody Kit	ELISA for detection	Sensitivity: 0.08 ng/mL,			€
Human IL-8/CXCL8 ELISA Kit	Kit	Kit for measuring IL-8/CXCL8	Sensitivity to 7.5 pg/mL			€
Human GPT ELISA Kit	Kit	ELISA kit to measure human GPT in serum or urine.	Sensitivity of 0.025 mU/mL			€
Human Siglec-10 antibody, monoclonal, clone 265817.	Antibody	Mouse anti human, WB, clone 265817, NSO derived.	Must be monoclonal, 265817, and non-conjugated.			€
Human Granzyme B ELISA	ELISA kit	detection range: 39-2500pg/ml	Needs to be this detection range: 39-2500pg/ml.			€

Human B-Endorphin ELISA kit	ELISA Kit	Competitive ELISA for measuring beta endorphin levels in saliva samples. Sensitivity 9.38pg/ml. Detection Range 15.63-1000pg/ml	Needs to be this sensitivity/detection range, and ideally 24 well sample plates.			€
Arachis hypogaea Lectin (PNA) - Cy5	Molecule	This plant lectin, with a fluorescent tag attached, can be used to distinguish between normal and tumour tissues via cellular imaging and flow cytometry.	Needs to be Cy5 fluorophore conjugated.			€
Mouse GABA ELISA kit	ELISA Kit	Competitive-ELISA used to measure GABA levels in serum, plasma, cell culture supernatants.	Needs to be this detection range: 31.25-2000pg/ml.			€

Highly validated antibodies	Antibodies	Highly validated, affordable range of data-rich antibodies designed for life science research	Require every batch to have undergone Quality Control. Shipped as a more stable lyophilisate. Stability tested. Transparent data – all available for us to access on request. All the corresponding data, images, etc for each antibody needs to be available on supplier website.			€
Fluorescent Ligands	Ligands	New alternative to radioligands	Fluorescent ligands have several advantages unique to them: immediate 'real time'			€

			readout, multi-colour and multi-paramenter data generation, no scintilltion required and enhanced safety due to no radioisotope use or disposal required.			
Anti-Mouse IgG1-specific in the 800nm channel	Antibody/Protein	This fluorescent secondary antibody is used in western blotting to bind to primary antibodies that were brought up in mice. These secondary antibodies fluoresce on the 800nm and are compatible with the Licor	We image all our blots on the Licor Odyssey Fc imager, so we need fluorescent secondary antibodies that bind specifically to mouse IgG1 and are compatible with the 800nm			€

		Odyssey Fc imager.	channel on this imager.			
Goat anti-Mouse IgM-specific in the 680nm channel	Antibody/Protein	This fluorescent secondary antibody is used in western blotting to bind to primary antibodies that were brought up in mice (via the heavy chain mouse IgM). These secondary antibodies fluoresce on the 680nm and are compatible with the Licor Odyssey Fc imager.	We image all our blots on the Licor Odyssey Fc imager, so we need fluorescent secondary antibodies that bind specifically to mouse IgM and are compatible with the 680nm channel on this imager			€
Goat anti-Rabbit IgG	Antibody/Protein	This antibody reacts with the heavy and light chains of rabbit IgG	We image all our blots on the Licor Odyssey Fc imager, so we need fluorescent secondary			€

			antibodies that bind specifically to rabbit IgG and are compatible with the 680nm channel on this imager			
Pre-stained protein ladder	Protein	A pre-stained protein ladder that can be used as a standard in gel electrophoresis/ western blotting for visual inspection of protein migration through the gel (and transfer onto nitrocellulose membrane following wet transfer), near-infrared (NIR) two-colour detection and	We need a pre-stained protein ladder with 11 protein bands ranging from approx 8-260kDa. This ladder needs to be resistant to stripping (when removing primary/secondary antibodies), to allow for re-probing of blots. This ladder needs to be			€

		identification of proteins of interest based on the protein size.	compatible with the blot imager we have in the lab: Licor Odyseyy Fc.			
Blocking Buffer for western blotting	Buffer	Blocking buffer that does not contain mammalian proteins and is prepared in a Tris-buffered saline, which provides highly efficient blocking and minimal background variability for western blot replicates.	We need a highly efficient blocking buffer that does not contain mammalian proteins and is made in tris-buffered saline when blotting for highly sensitive proteins, such as phosphorylated proteins. Conventional blocking buffers (milk or bovine serum albumin solutions) are not			€

			appropriate for these proteins and can result in the highly sensitive protein of interest not being detected.			
Kits for transfecting difficult cell lines that are compatible with current transfecting device in the lab.	Kit	For transfecting DNA into what are considered difficult-to transfectcell lines	We need a highly efficient kit that can transfect DNA into difficult-to-transfect cell lines. It is essential that this kit is compatible with the electroporator system (Amaxa Nucleofector II) that we have in the lab.			€
CRISPR-Engineered Cell Lines	Cells	Prebuilt CRISPR-edited human cell lines for multiple	Prebuilt CRISPR-edited human cell lines for			€

		physiologically relevant targets, tagged with reporter tags such as HiBiT.	multiple physiologically relevant targets, with specific reporter tags, such as HiBiT are needed.			
Cell lines and clones for use with sensitive bioiluminescence technology	Cells	Edited cell line pools and clones to facilitate studying popular protein degradation targets, using sensitive bioluminescenc e technology.	Edited cell line pools and clones to facilitate studying popular protein degradation targets, using sensitive bioluminescen ce technology.			€
Microsatellite Instability Analysis System	Kit	Microsatellite instability testing (MSI testing) measures the ability of a cell to repair mistakes in DNA replication.	Require the gold standard MSI Analysis System in clinical research for measuring the ability of cells to repair mistakes in			€

			DNA replication.			
High-throughput Luciferase Reporter Assays, using luciferase derived from firefly, Renilla reniformis and deep-sea shrimp.	Kit	Luciferase assays use luminescent reactions to study live cell protein dynamics. They do so by using lytic or live-cell reagents that provide varying levels of brightness and signal stability.	We need kits that are designed to be used in multi-well formats, so that they can be used for automated high-throughput screening, cytotoxicity assays and cell proliferation assessments. We need the luminescent signal to have a half-life of 5 hours or greater to ensure stability of the reagent so that multiple plates can be assessed and			€

			comparable. Depending on the sensitivity of the experiment we would need to use luciferase from firefly or Renilla reniformis. For certain experiments, luciferase needs to be derived from deep-sea shrimp as it is approx 100-fold brighter than either firefly or Renilla reniformis luciferase, so provides highly sensitive detection that is not attainable by firefly or			

			Renilla reniformis derived luciferase.			