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Chong Wing Yung, Ph.D.
Associate Director
University Relations & External Research

October 17, 2022

Dr. Frantisek Foret
Director
Institute of Analytical Chemistry
Bioanalytical Instrumentation
Veveri 97
Brno, Czech Republic 60200

Re: Agilent Research Gift #4763

Dear Dr. Foret,

Congratulations! Agilent Technologies, Inc. will support your research on the topic of "Fluorescence Intensity Enhancement in Electrophoretic DNA Separations Using Heavy Water as Solvent" with a gift to the Institute of Analytical Chemistry valued at \$92,074 (USD). This is comprised of cash to support your research in the amount of \$25,000 and Agilent products valued at approximately \$67,074.

Our internal review process is rigorous and competitive, and this gift reflects the high confidence of many at Agilent in you and the importance and relevance of your research to Agilent and to the world.

Agilent is a catalyst for the advancement of science in academic and government research. Through our leading-edge capabilities, collaborations, and contributions, we enable breakthroughs in life sciences, diagnostics, and applied markets. Our instruments, services, consumables, and workflows; the expertise and engagement of our technical staff; our knowledge of research questions of practical importance; and our large network of Agilent academic collaborators combine to enable a unique contribution to academic research. This gift is made through Agilent's university relations program, advancing academic research while informing our long-term product and technology strategies and making a social contribution to the communities in which we do business.

It is our intent that this gift will enable mutually beneficial research collaboration. [REDACTED]
[REDACTED] has sponsored your proposal and is committed to serve as a mentor for this project. The time [REDACTED] spends working with you is an additional gift from Agilent. We



ask that you include the Agilent mentor in your project, enabling regular interactions. The mentor is your primary contact at Agilent for this work. In our experience, direct Agilent engagement in the research results in the greatest benefit to the institutions and to the individuals involved.

A copy of the proposal indicating your intended direction of research is attached. There are no deliverables associated with this gift, and it is given with the understanding that it is free of overhead charges. If you would like to acknowledge Agilent support in publications or presentations, please discuss with your Agilent Mentor and consider citing the "Agilent University Relations: ACT-UR program and Grant ID #4763". [REDACTED] Agilent's grants administrator, will be in contact to arrange for fulfillment of this gift. [REDACTED] can be reached for administrative matters at _____ . We wish you every success with your research.

Sincerely,

[REDACTED]
Associate Director
University Relations & External Research

att: Gift Application

Proposal Form*(Read ALL Instructions on last pages)***1. FUNDING CATEGORY** *(Must check one box)*

- This proposal is for a Gift without university overhead costs.** *(most common)*
- This proposal is for Sponsored Research with university overhead costs,** which allows for contractual deliverables and intellectual property agreements. *Keep in mind that IP agreements often delay the project start by 4-6 months.*

2. AGILENT INFORMATION**3. FUNDING INFORMATION**3.1 Funds Requested from University Relations [\(more\)](#)3.2 If Renewal, Enter previous Grant ID # [\(more\)](#)

<u>Cash_{UR}</u>	<u>25000 \$</u>	<u>Products_{UR} (list price only)</u>	<u>67074 \$</u>	<u>Previous Grant ID #</u>
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3.3 Matching Funds from Business Units [\(more\)](#)

<u>Cash_{MATCH}</u>	<u>\$ USD</u>	<u>Products_{MATCH} (list price only)</u>	<u>\$ USD</u>	<u>Cost Center or MU <i>(required for matching)</i></u>
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4. ACADEMIC INSTITUTE INFORMATION

5. PROPOSAL INFORMATION

5.1 Technical Abstract

(MUST use Arial font 9 or larger. Text beyond one-page limit will NOT be reviewed)

Proposal Form*(Read ALL Instructions on last pages)***5.2 Figures or Tables****5.3 References and Weblinks** [\(more\)](#)

- [1] Strayer, L. Excited-State Proton-Transfer Reactions. A deuterium Isotope Effect on Fluorescence. JACS, 1966, 88:24, 5708-5712.
- [2] Kučera, J.; Peš, O.; Janovič, T.; Hofr, C.; Kubinyiová, L.; Tóth, J.; Káňa, Š.; Táborský, P.; Enhancement of luminescence signal by deuterated water – Practical implications. Sensors and Actuators B. Chemical 2022, 352, 131029
- [3] Táborský, P.; Kučera, J.; Juřica, J.; Peš, O., Heavy water enhancement of fluorescence signal in reversed-phase liquid chromatography. Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences 2018, 1092, 7-14.
- [4] L. Kubinyiová, Master thesis, 2019, supervisor Ivona Voráčová

5.4 Core Competencies and Potential Staffing of Research Group

Proposal Form

(Read ALL Instructions on last pages)

5.5 Proposal Objectives

5.6 Research Activities

(To add a new row, click in an existing row, then click on "+" symbol on the far right)

Selection of fluorescent dyes using the microplate reader	4/16/2023
Separations of DNA/RNA with selected labels in the D2O buffer	8/31/2023
Separations of fluorescently labeled glycans, glycoproteins in the D2O buffer	11/20/2023

5.7 Cash Expense Detail [\(more\)](#)

(To add a new row, click in an existing row, then click on "+" symbol on the far right)

Item(s)	Units	Unit Price (\$)	Price (\$)
Chemicals (D2O, fluorescence dyes)	units	\$	10000
Salary: Research Associate + Student for a year	units	\$	15000
<i>Total Cash value must = Cash_{UR} + Cash_{MATCH} (amounts listed on page 1)</i>			Total Cash 25000

5.8 Agilent Products Request [\(more\)](#)

(To add a new row, click in an existing row, then click on "+" symbol on the far right)

Product(s)	Model/Part #	Units	List Price (\$)
5200 Fragment Analyzer System	M5310AA	1	57142 \$
FA 12-Capillary Array Ultra-Short, 22cm	A2300-1250-2247	6	5993 \$
High Sensitivity RNA kit	DNF-472-0500	1	1313 \$
HS Small Fragment Kit, 500	DNF-477-0500	1	1313 \$
High Sensitivity NGS kit	DNF-474-0500	1	1313 \$
List Products	model/part#	units	\$
<i>Total Products value must = Products_{UR} + Products_{MATCH} (amounts listed on page 1)</i>			Total Products 67074 \$

Proposal Form

(Read ALL Instructions on last pages)

6. SUBMISSION INSTRUCTIONS**Checklist [REQUIRED]:**

1.	Proposal Form
2.	Relevance Form
3.	Mentor Research Agreement Form
4.	Co-Mentor Research Agreement Form (required as of 2022-2)
5.	Senior Manager of Mentor approval email
<i>Additional requirements for Mentors from Sales org</i>	
6.	a statement that there is no connection to recent or anticipated sales, and
7.	a letter of support from the division product manager or a member of the segment marketing team (can be co-Mentor) making explicit mention of their intent to promote successful outcomes of the applications research with anticipated regional or global impact.

Who should fill out this form?

This form is to be filled out jointly by the Agilent mentor and the Principal Investigator at the academic research institute. Please note that this form will be shared with the university and should NOT contain any proprietary information.

How to submit this form [REQUIRED]:

- Agilent Mentor must emailed all forms on checklist to
- (optional) Request a Read Receipt for email to confirm submission. In email window, go to Options and check "Request a Read Receipt".

7. FORM INSTRUCTIONS**Agilent Mentor and Co-Mentor:**

Mentors must be in an R&D or Marketing Functional Area (e.g. engineer, scientist or manager) to be eligible to submit proposals to the ACT-UR program. In rare cases, Mentors from a Sales organizations may find compelling collaborations that will advance applications with regional or global impact. In such cases, an application must be accompanied by: **(1)** a statement that there is no connection to recent or anticipated sales, and **(2)** a letter of support from the division product manager or a member of the segment marketing team making *explicit* mention of their intent to promote successful outcomes of the applications research with anticipated regional or global impact. If you are asked to write a letter, see the [FAQ](#). Co-Mentor(s) are highly recommended for all applications. Co-Mentor(s), such as market or product managers, will aid the Mentor in building a successful relationship and in the absorption of benefits to Agilent, are highly encouraged and favorably received by reviewers.

Agilent Senior Manager:

The Agilent Senior Manager must agree to support active collaboration by the mentor and authorize any matching funds prior to submission. The manager understands that the mentor time required for Agilent to realize value from collaborative research is ~ 5% time for one year.

Anticipated Start Date:

Anticipated Start Date should not be less than 3 months after the proposal submission date.

Region and Theme ID:

Select region corresponding to location of academic institute, not location of Agilent mentor, ref <http://ur.agilent.com/Programs/ACT-UR/Liaisons.shtml>. Select Theme ID closest to topic of research, ref <http://ur.agilent.com/Programs/ACT-UR/Themes.shtml>

Start Date, Award Period and No-Cost Extensions:

Start Date is date noted on official Award Letter sent to PI. Award Period or Project Period is 1-year from Start Date. If Agilent UR does not receive an invoice from the research institution to pay awarded funds within one year of the start date, the award is automatically voided, and any undisbursed funds will be reclaimed by UR for accounting and budgeting purposes. PI is welcome to continue proposed research beyond the one-year award period. Agilent Mentors who wish to continue collaborating with PI on the proposed work beyond the one-year award period must formally request a no-cost extension from the ACT-UR Program Manager for Agilent UR project tracking purposes. A simple email noting the project title, PI name, university, Grant ID# (assigned in Award Letter) and a 1-2 sentence explanation is sufficient.

Renewal and Recurring University Grants:

Particularly successful collaborations that show great business value may apply for renewal by submitting a new proposal for review. Further guidelines for submitting renewals and recurring grants at <http://ur.agilent.com/Programs/ACT-UR/Eligibility.shtml>

Matching Funds:

Agilent departments may provide matching funds, in the form of cash or product, in addition to funds requested from University Relations. All matching and UR cash amounts must be accounted for in the Cash Expense Detail section.

- Project matching funds guidelines, by year - 1st, matching not required; 2nd, 50% optional; 3rd, 50%; 4th+, not eligible for ACT-UR funds
- Center membership guidelines: 50% matching each year. First year memberships may be considered with advance approval from UR. There is no limit on number of years if broad Agilent exposure to relevant research is demonstrated

Proposal Form

(Read ALL Instructions on last pages)

Principal Investigator – Eligibility: ↻

The PI of this ACT-UR proposal must hold an official appointment at a degree-granting academic institution or non-profit research institution and be granted authority to be a principal investigator of research contracts and principal advisor of doctoral candidates. If PI status is somehow unclear, an official letter from the home institution showing the PI authorization must be provided upon request by Agilent University Relations.

Principal Investigator – Privacy Notice : ↻

Agilent will collect the minimal non-sensitive personal data on this form from the Principal Investigator to facilitate review of this proposal. All personal data will be collected and held in accordance with Agilent’s Privacy Statement, available here: <https://www.agilent.com/home/privacy-policy>. If you have questions regarding how your personal data will be processed, you may contact Agilent’s Data Protection Officer at data-protection.officer@agilent.com.

Principal Investigator – Acknowledging Agilent: ↻

If the Principal Investigator would like to acknowledge Agilent support in publications or presentations, please discuss with your Agilent Mentor. If deemed appropriate, Agilent University Relations would greatly appreciate your acknowledgment citing the “Agilent ACT-UR program and Grant ID #”. The Grant ID# will be assigned after submission and appears in the header of this document and the official Award Letter sent the PI.

Contact Information of University Representative: ↻

Person to receive funds on behalf of the Principal Investigator. This person should be an administrative or financial official of the Academic Institution other than the Principal Investigator. Please note this application is submitted on behalf of the Academic Institute. The check will be made out to the Academic Institute, not to any individuals, including the PI.

Contact Information for Product Delivery: ↻

Person to receive products on behalf of the Principal Investigator and location for product delivery.

References and Weblinks: ↻

Provide URLs and bibliographic references published by the PI or collaborating groups that support the undertaking of the research project.

Cash Expense Detail: ↻

Cash may NOT be spent on Agilent products. If Agilent products are requested in support of this research, they should be explicitly requested in the Agilent Product Request section in this form.

IMPORTANT: Total Cash value must = Cash_{UR} + Cash_{MATCH} (amounts listed on page 1)

Forms with inaccurate or missing totals will be sent back to mentors, resulting in delays and possibly missing the submission deadline.

Agilent Products Request: ↻

Please list products by priority placing the most important item first. Enter product description, model/part#, quantity and list price without discounts. Please note: Any equipment that requires installation results in installation costs. These costs must be included in the total amount of your grant. If Agilent products will be granted as part of this request, list them here rather than requesting cash to pay for them.

IMPORTANT: Total Products value must = Products_{UR} + Products_{MATCH} (amounts listed on page 1)

Forms with inaccurate or missing totals will be sent back to mentors, resulting in delays and possibly missing the submission deadline.

Approximate Annual Timing of ACT-UR rounds in a program year: ↻

Always check ACT-UR website for actual dates for each round. *Call period for round-1 of each program year is extended forward, for a total of ~2mo. The following example of the 2023-1 and 2023-1 rounds, show the approximate timing of key events for both 1-year project lifecycles.

	2022					2023					2024					2025																					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
ACT-UR 2023-1																																					
						Call*	UR process				Start																										
ACT-UR 2023-2																																					
											Call	UR process				Start																					