



CHARLES UNIVERSITY  
Faculty of Pharmacy  
in Hradec Králové

This project has received funding from the European Union's Horizon 2020 research and innovation programme  
under the Marie Skłodowska-Curie grant agreement No. 764632.

**The EuroAgeism H2020 project International Training Network**  
**The Faculty of Pharmacy, Charles University, Czech Republic, University**  
**Educational Centre in Clinical Pharmacy**

and other collaborating subjects

cordially invite you to the

## **3<sup>rd</sup> EuroAgeism ITN Training School**

entitled

# **“Perspectives of ageing in Europe and other countries and future ways to combat ageism”**

held ONLINE **from May 3 to 6, 2021 (Monday-Thursday)**



CHARLES UNIVERSITY  
Faculty of Pharmacy  
in Hradec Králové

and to the affiliated event

## **Discussion Day on**

# **"Inappropriate prescribing in older adults in Europe and developing countries and availability of clinical pharmacy services for older patients in different settings of care"**

held ONLINE **on May 7, 2021 (Friday)**

## **May 3-6, 2021: 3<sup>rd</sup> EuroAgeism ITN Training School: “Perspectives of ageing in Europe and other countries and future ways to combat ageism”**

The 3<sup>rd</sup> EuroAgeism H2020 Training school (TS) will bring together Early Stage Researchers (ESRs), senior researchers, experts from different scientific and practical fields and policymakers from different policy organizations, namely the World Health Organization, United Nations’ Economic Commission of Europe, Age platform Europe, Centre for Economic Analysis in Poland, European Centre for Social Welfare Policy and Research in Austria, National Institute of Health & Science on Ageing in Italy and Technology Centre of the Czech Academy of Sciences in the Czech Republic. Participants will discuss current issues related to ageing of the population in different parts of Europe and other countries, problems and challenges arising in the healthcare and socioeconomic areas and perspectives of ageing in Europe and other countries in future decades. Future ways how to combat discrimination of older adults and ageist practices in different sectors and fields will be also discussed. For more information about the H2020 EuroAgeism project see: <https://euroageism.eu/>

## **May 7, 2021: Discussion Day on "Inappropriate prescribing in older adults in Europe and developing countries and availability of clinical pharmacy services for older patients in different settings of care"**

This affiliated event “Discussion Day on Inappropriate prescribing in older adults in Europe and other countries” is organized to inform about problems related to polypharmacy, drug-related morbidity and inappropriate prescribing in older adults in European and developing countries and to discuss possible ways how to improve medication safety in older patients: by the development of medication safety and clinical pharmacy services in different settings of care and by reducing unnecessary drug-related healthcare expenditures, morbidity, mortality and other negative consequences of inappropriate prescribing and inappropriate medication use.

**For registration to these events please go to: <https://www.faf.cuni.cz/EUROAGEISM-H2020-events-2021/>**

# 3<sup>rd</sup> Training School Program

This is the program for the 3<sup>rd</sup> EuroAgeism ITN Training School (TS) held online  
in English language from 3<sup>rd</sup> to 6<sup>th</sup> May 2021.

## Day 1: Monday, 3<sup>rd</sup> May 2021, 10:00 – 15:30 CET

Time	Program
10:00	<b>Assoc. Prof. Daniela Fialová, Czech Republic, Prof. Liat Ayalon, Bar-Ilan University, Israel Prof. Tomáš Šimůnek, Dean of the Faculty of Pharmacy, Charles University, Czech Republic Assoc. Prof. Jaroslav Roh, Vice Dean for Science of the Faculty of Pharmacy, Charles University, Czech Republic</b> Invitation of the participants, invited speakers and guests Agenda of the whole TS and of the 1 <sup>st</sup> TS Day
10:10	<b>Dr. Vânia de la Fuente Núñez, World Health Organization, Switzerland:</b> World population ageing and the Global Campaign to Combat Ageism, including key findings from the first-ever UN Global report on ageism (invited lecture)
10:40	<b>Prof. Kieran Walsh, National University of Ireland, Galway, Ireland:</b> Ageism as a driver of exclusion: The relationship between policy, critical life transitions and marginalised populations (invited lecture)
11:10	<b>Discussion</b>
11:30	<b>Dr. Michal Myck, Centre for Economic Analysis, Poland:</b> Ageing in Europe: economic policy challenges in the context of demographic trends (invited lecture)
12:00	<b>Discussion</b>
12:15	<b>Lunch break</b>
13:15	<b>Dr. Kai Leichsenring, European Centre for Social Welfare Policy and Research, Austria:</b> International initiatives to address population ageing (invited lecture)
13:45	<b>Policy partners:</b> Presentations of policy partners of the EuroAgeism H2020 project
14:50	<b>Policy partners, supervisors, and guests of the EuroAgeism H2020 project:</b> Panel discussion
15:20	<b>Assoc. Prof. Daniela Fialová, Charles University, Czech Republic Prof. Liat Ayalon, Bar-Ilan University, Israel</b> Closing of the 1 <sup>st</sup> Day of the TS

## Day 2: Tuesday, 4<sup>th</sup> May 2021, 08:30 – 14:40 CET

Time	Program
08:30	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Introduction to the agenda of the 2 <sup>nd</sup> Day of TS
08:40	<b>Dr. James Tufano, Charles University, Czech Republic:</b> ESRs training: How to write a dissertation thesis? (interactive lecture)
10:45	<b>Dr. Ira Virtanen, Tampere University, Finland:</b> ESRs training: How

	to prepare for discussion and defence of your doctoral dissertation? (invited lecture)
11:15	<b>Discussion</b>
11:25	<b>Lunch break</b>
12:30	<b>Dr. Ira Virtanen, Tampere University, Finland:</b> ESRs training: How to prepare for discussion and defence of your doctoral dissertation? (interactive workshop)
14:30	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Closing of the 2 <sup>nd</sup> Day of the TS and Agenda of the 3 <sup>rd</sup> Day

### Day 3: Wednesday, 5<sup>th</sup> May 2021, 10:00 – 16:30 CET

Time	Program
10:00	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Introduction to the agenda of the 3 <sup>rd</sup> Day of TS
10:10	<b>Zuzana Čapková, MSc., Technology Centre of the Czech Academy of Sciences, Czech Republic:</b> ESRs training: MSCA Postdoctoral Fellowships - grant opportunities and other possibilities for the next stage career development (invited lecture)
10:40	<b>Discussion</b>
10:50	<b>Coffee break</b>
11:00	<b>Dr. Andrea Principi, National Institute of Health &amp; Science on Ageing, Italy, and Zuzana Čapková, MSc., Technology Centre of the Czech Academy of Sciences, Czech Republic:</b> ESRs training: How to write MSCA Postdoctoral Fellowship grant? (workshop)
13:00	<b>Lunch break</b>
14:00	<b>Prof. Hein van Hout, Amsterdam Public Health Research Institute, Netherlands:</b> How to write a successful H2020 grant in the area of ageing and care for older people? Experience from the I-CARE4OLD project.
15:00	<b>Dr. Laura Motta, Catholic University of Milan, Italy:</b> EU grant opportunities under Horizon Europe and basic do's and don'ts of grant writing (expert lecture, practical examples and discussion)
16:30	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Closing of the 3 <sup>rd</sup> Day of the TS and Agenda of the 4 <sup>th</sup> Day

### Day 4: Thursday, 6<sup>th</sup> May 2021, 10:00 – 16:00 (17:00) CET

Time	Program
10:00	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Introduction to the agenda of the 4 <sup>th</sup> Day of the TS
10:10	<b>ESRs and supervisors of the EuroAgeism H2020 project invited experts:</b> ESRs scientific presentations (summarizing pilot results of selected research works of ESRs - comments by other ESRs, supervisors, invited guests and 1-2 experts per each topic invited to comment preliminary results) (3 break-out rooms)
13:00	<b>Moderators of break-out rooms</b> (1 per each break-out room): Conclusions of presentations and discussions by chairs of each break-out room (3 break-out rooms)

13:30	<b>Lunch break</b>
14:30	<b>ESRs and their invited experts and supervisors:</b> ESRs individual consultations on preliminary results of their doctoral dissertations with invited experts and supervisors (detail discussions on pilot research findings, interpretations, discussion from national and international perspectives etc.) (individual break-out rooms)
16:00	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Closing of the 3 <sup>rd</sup> Training School (the official part)
16:15	<b>Assoc. Prof. Daniela Fialová and Jovana Brkić, MSc., Charles University, Czech Republic:</b> Social event (only for interested ESRs and other ITN members)
17:00	

## Discussion Day Program

### "Inappropriate prescribing in older adults in Europe and developing countries and availability of clinical pharmacy services for older patients in different settings of care"

**Friday, 7<sup>th</sup> May 2021, 10:00 – 16:00 CET**

Time	Program
10:00	<b>Assoc. Prof. Daniela Fialová Charles University, Czech Republic:</b> Welcome for the EuroAgeism project
10:10	<b>Prof. Derek Stewart, President of the European Society of Clinical Pharmacy (ESCP)</b> <b>Dr. Vibhu Paudyal, Chair of the Research Committee of the ESCP:</b> Welcome for the ESCP – the European Society of Clinical Pharmacy, its' mission and vision and the role of clinical pharmacists in individualization of pharmacotherapy in older patients in different settings of care
10:20	<b>Assoc. Prof. Daniela Fialová et al., Charles University, Czech Republic:</b> Ageing of the population in Central and Eastern Europe, selected results from EU multicentric geriatric projects on inappropriate prescribing in older adults and collaborative effort on the ESR7 EuroAgeism H2020 project
10:30	<b>Jovana Brkić, MSc. et al., Charles University, Czech Republic:</b> Systematic literature review on inappropriate prescribing in older adults in different settings of care with a special focus on CEE countries. Preliminary results on PIM prescribing in CEE countries and developing countries from ESR7 EuroAgeism H2020 project
10:40	<b>Ingrid Kummer PharmD et al., Charles University, Czech Republic:</b> Analyses of drug-drug interactions in Czech nursing homes (SHELTER project) and CVS drug-disease interactions in Czech ambulatory and acute care: results from the EuroAgeism H2020 project
10:50	<b>Discussion</b>
10:55	<b>Assoc. Prof. Maja Hadžiabdić et al., University of Zagreb, Croatia:</b> Ageing of the population in Croatia, results of national studies on inappropriate

- prescribing in older adults and current situation in the availability of clinical pharmacy services in different settings of care
- 11:05 **Margita Držaić, PharmD et al., University of Zagreb, Croatia:** Analyses of drug burden index in community-residing older adults: a study using Croatian data of the EuroAgeism H2020 project
- 11:15 **Discussion**
- 11:20 **Assoc. Prof. Ivana Tadić et al., University of Belgrade, Serbia:** Ageing of the population in Serbia, results of national studies on inappropriate medication use in Serbian older adults and current situation in the availability of clinical pharmacy services
- 11:30 **Sofija Šesto, PharmD et al., University of Belgrade, Serbia:** Subjectively assessed medication nonadherence in older adults in Serbia: findings from the ESR7 EuroAgeism H2020 project
- 11:40 **Discussion**
- 11:45 **Prof. Guenka Petrova and Assoc. Prof. Maria Kamusheva, Medical University of Sofia, Bulgaria:** Ageing of the population in Bulgaria, results of previous national studies on inappropriate geriatric prescribing and current situation in the availability of clinical pharmacy services
- 11:55 **Assoc. Prof. Konstantin Tachkov and Tzvetan Krastev, MScPharm, Medical University of Sofia, Bulgaria:** Impact of polypharmacy, drug-related problems and potentially inappropriate medications in geriatric patients and its implications for Bulgaria - literature review and meta-analysis
- 12:05 **Discussion**
- 12:10 **Lunch Break**
- 13:00 **Assoc. Prof. Daisy Volmer et al., University of Tartu, Estonia:** Ageing of the population in Estonia, results of national studies on inappropriate geriatric prescribing in Estonia and current situation in the availability of clinical pharmacy services
- 13:10 **Veera Bobrova, PharmD et al., University of Tartu, Estonia:** Preliminary analyses applying EU-7 PIM tool and EURO-FORTA criteria in geriatric studies in Estonia
- 13:20 **Discussion**
- 13:25 **Assoc. Prof. Daniela Fialová et al., Charles University, Czech Republic:** Ageing of the population in the Czech Republic, geriatric studies and current situation in the availability of clinical pharmacy services in different settings of care
- 13:35 **Olena Antonenko PharmD et al., Charles University, Czech Republic:** Comparisons of the rationality of hypnotic drug use in Czech acute and ambulatory care seniors: results from the INOMED and the EuroAgeism H2020 project
- 13:45 **Discussion**
- 13:50 **Prof. Pilar Modamio et al. University of Barcelona, Spain:** Ageing of the population in Spain, selected results of national studies on inappropriate geriatric prescribing and current situation in the availability of clinical pharmacy services
- 14:00 **Anna Lukačičinová, PharmD and Adriana Magátová, MSc. et al., Charles University, Czech Republic:** The rationality of prescribing of benzodiazepines in Spanish and Czech samples of seniors participating in SHELTER and the EuroAgeism H2020 projects



- 14:10 **Discussion**
- 14:15 **Assoc. Prof. Betul Okuyan et al., Marmara University, Turkey:** Ageing of the population in Turkey, selected results of national studies on inappropriate geriatric prescribing and current situation in the availability of clinical pharmacy services
- 14:25 **Öznur Altiparmak, PharmD et al., Marmara University, Turkey:** Prevalence of Proton Pump Inhibitors Usage in community-residing older adults: a study using Turkish data of the EuroAgeism H2020 project
- 14:35 **Discussion**
- 14:40 **Prof. Annemie Somers et al., Ghent University, Belgium:** Ageing of the population in Belgium, selected results of national studies on inappropriate geriatric prescribing and current situation in the availability of clinical pharmacy services
- 14:50 **Prof. Cristín Ryan et al., University of Dublin, Ireland:** Ageing of the population in Ireland, selected results of national studies on inappropriate geriatric prescribing and current situation in the availability of clinical pharmacy services
- 15:05 **Discussion**
- 15:10 **Akshaya Srikanth Bhagavathula, PharmD. et al., Charles University, Czech Republic, University of Gondar, Ethiopia and Telengana Teaching Hospital, South India:** Ageing of the population in developing countries (India and Ethiopia), selected results of meta-analyses of studies on inappropriate geriatric prescribing and current situation in the availability of clinical pharmacy services
- 15:20 **Deepak Kumar Bandari, PharmD et al., Charles University, Czech Republic and Telengana Teaching Hospital, South India:** Knowledge of Indian physicians on potentially inappropriate medications (PIMs): results from a national survey
- 15:30 **Bhagya Sri Areman, PharmD et al., Charles University, Czech Republic and Telengana Teaching Hospital, South India:** Pharmacy students' geriatric knowledge: results from a national survey
- 15:40 **Akshaya Srikanth Bhagavathula, PharmD. et al., Charles University, Czech Republic, University of Gondar, Ethiopia and Telengana Teaching Hospital, South India:** Potentially inappropriate medication use and associated risk factors among older patients with stroke using the 2019 American Geriatric Society Beers Criteria and the British Geriatric Society STOPP criteria 2015
- 15:50 **Discussion**
- 15:55 **Assoc. Prof. Daniela Fialová Charles University, Czech Republic and ESCP representatives:**  
Conclusion. End of the Discussion Day
-

## Collaborating subjects on the organization of the EuroAgeism H2020 events:

### Early-Stage Researchers (ESRs) and supervisors of the EuroAgeism H2020 project

ESR Name	Supervisor	Institution, Department
Maria Varlamova (ESR1)	Prof. Jolanta Perek-Białas	Jagiellonian University, Institute of Sociology, Poland
Gülin Öylü (ESR2)	Prof. Andreas Motel-Klingebiel	Linköping University, Department of Culture and Society, Sweden
Katri Keskinen (ESR3)	Prof. Pirjo Nikander	Tampere University, Faculty of Social Sciences, Finland
Federica Previtali (ESR4)	Prof. Pirjo Nikander	Tampere University, Faculty of Social Sciences, Finland
Seyoung Kim (ESR5)	Prof. Liat Ayalon	Bar-Ilan University, Faculty of Social Sciences, Israel
Laura Allen (ESR6)	Prof. Liat Ayalon	Bar-Ilan University, Faculty of Social Sciences, Israel
Jovana Brkić (ESR7)	Assoc. Prof. Daniela Fialová	Charles University, Faculty of Pharmacy, Department of Social and Clinical Pharmacy, Czech Republic
Abodunrin Aminu (ESR8)	Prof. Angela Kydd	Robert Gordon University, School of Nursing, Midwifery and Paramedic Practice, UK
Atiqur Rahman (ESR9)	Prof. Lars-Christer Hyden	Linköping University, Department of Culture and Society, Sweden
Wenqian Xu (ESR10)	Prof. Annika Taghizadeh Larsson	Linköping University, Department of Culture and Society, Sweden
Hanna Köttl (ESR11)	Prof. Liat Ayalon	Bar-Ilan University, Faculty of Social Sciences, Israel
Stefan Hopf (ESR12)	Prof. Nena Georgantzi, Prof. Kieran Walsh, Prof. Eilionóir Flynn	AGE Platform Europe and National University of Galway Ireland
Lola Casal-Sanchez (ESR13)	Prof. Angela Kydd	Robert Gordon University, School of Nursing, Midwifery and Paramedic Practice, UK
Ittay Mannheim (ESR14)	Prof. Yvonne van Zaalen	Fontys University of applied science, School of allied health professions, The Netherlands
Wanyu Xi (ESR15)	Prof. Liat Ayalon	Bar-Ilan University, Faculty of Social Sciences, Israel



FACULTY OF PHARMACY  
IN HRADEC KRÁLOVÉ  
Charles University





## Policy partners and policy partner organizations participating in the EuroAgeism H2020 project

### Policy partner

Dr. Vitalija Gaucaite  
Dr. Lisa Christina Warth

Dr. Alana Officer MSc, MPH  
Dr. Vânia de la Fuente Núñez, MD, MA.

Dr. Geri Rot

Dr. phil. Kai Leichsenring

Dr. Sara Alon

Dr. Kyung-Ha Park

Prof. Daniel Gotlieb

Prof. Kieran Walsh  
Prof. Eilionóir Flynn

Prof. Xin Zhang

### Policy partners organization

United Nations Economic Commission for Europe  
(UNECE)

World Health Organization (WHO)

EMDA – The Alzheimer’s Association Israel (AAI)

European Centre for Social Welfare Policy and  
Research (EuroCentre)

JDC – Joint Distribution Committee

KORDI – Korea Labor Force Development Institute  
for the aged

National Insurance Institute of Israel

National University of Ireland Galway (NUIG)

Peking University (PKU)

United Nations Economic and Social Commission for  
Asia and the Pacific (UNESCAP)



## Invited speakers

### Invited Speaker

### Institution

Dr. Vânia de la Fuente Núñez, MD, MA

World Health Organization, Switzerland

Prof. Kieran Walsh

National University of Ireland Galway, Ireland

Dr. Michal Myck

Centre for Economic Analysis, Poland

Dr. phil. Kai Leichsenring

European Centre for Social Welfare Policy and Research, Austria

Dr. James Tufano

Charles University, Czech Republic

Dr. Ira Virtanen

Tampere University, Finland

Zuzana Čapková, MSc.

Technological Centre of the Academy of Sciences, Czech Republic

Dr. Andrea Principi

National Institute of Health & Science on Ageing, Italy

Prof. Hein van Hout

Amsterdam Public Health Research Institute, The Netherlands

Dr. Laura Motta

Catholic University of Milan, Italy



FACULTY OF  
PHYSICAL EDUCATION  
AND SPORT  
Charles University



## Invited experts of the EuroAgeism Training School

<b>Invited Expert</b>	<b>Institution</b>
Prof. Justyna Wiktorowicz	University of Lodz, Poland
Dr. rer. soc. oec. Anette Scoppetta	The European Centre for Social Welfare Policy and Research, Austria
Dr. Justyna Stypinska	Free University of Berlin, Germany, Institute of Sociology, Germany
Prof. Krekula Clary	Karlstad University, Faculty of Arts and Social Sciences, Department of Social and Psychological Studies, Sweden
Prof. Daniel Gottlieb	Hebrew University of Jerusalem, Baerwald School of Social Work, Israel
Dr. Kelly Fitzgerald	NGO Committee for Ageing, United Nations, Switzerland
Prof. Graziano Onder	Italian National Institute of Health, Italy
Prof. Cristín Ryan	University of Dublin, Trinity College Dublin, School of Pharmacy and Pharmaceutical Science, Ireland
Dr. Nicola Torrance	Robert Gordon University, United Kingdom
Prof. Anna Olaison	Uppsala University, Sweden
Dr. Karin Lövgren	University of Gävle, Department of Humanities, Sweden
Prof. Galit Nimrod	Ben-Gurion University of the Negev, Israel
Prof. Eveline Wouters	Fontys University of Applied Science, The Netherlands
Dr. Laura Naegle	University of Vechta, Department of Ageing and Work, Institute of Gerontology, Germany
Prof. Galit Nimrod	Ben-Gurion University of the Negev, Israel
Prof. Eveline Wouters	Fontys University of Applied Science, The Netherlands
Prof. Xin Zhang	Peking University, School of Psychological and Cognitive Sciences, China



**Trinity College Dublin**  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin



UPPSALA  
UNIVERSITET

אוניברסיטת בן-גוריון בנגב  
Ben-Gurion University of the Negev



## Invited speakers and experts of the Discussion Day

### Invited Senior Expert

Prof. Derek Stewart

Dr. Vibhu Paudyal, Ph.D.

Assoc. Prof. Daniela Fialová

Assist. Prof. Maja Ortner Hadžiabdić

Assoc. Prof. Ivana Tadić

Prof. Guenka Petrova

Assoc. Prof. Maria Kamasheva

Assoc. Prof. Konstantin Tachkov

Assoc. Prof. Daisy Volmer

Prof. Cristín Ryan

Prof. Pilar Modamio

Dr. Anna Lukačičinová, Ph.D.

Assoc. Prof. Betül Okuyan

Prof. Annemie Somers

### Institution

President of the European Society of Clinical  
Pharmacy (ESCP)

Chair of the Research Committee of the ESCP

Charles University, Czech Republic

University of Zagreb, Croatia

University of Belgrade, Serbia

Medical University of Sofia, Bulgaria

University of Tartu, Estonia

University of Dublin, Trinity College Dublin,  
Pharmacy Practice in the School of Pharmacy and  
Pharmaceutical Science, Ireland

University of Barcelona, Spain

Charles University, Czech Republic

Marmara University, Turkey

Ghent University, Belgium

### Invited Junior Speaker

Jovana Brkić MSc.  
Ingrid Kummer, PharmD  
Margita Držaić, PharmD  
Sofija Šesto, PharmD  
Tzvetan Krastev, MScPharm  
Veera Bobrova, PharmD  
Olena Antonenko PharmD  
Adriana Magátová, MSc.  
Öznur Altiparmak, PharmD  
Akshaya Srikanth Bhagavathula, PharmD  
  
Deepak Kumar Bandari, PharmD  
  
Bhagya Sri Areman, PharmD

### Institution

Charles University, Czech Republic  
Charles University, Czech Republic  
University of Zagreb, Croatia  
University of Belgrade, Serbia  
Medical University of Sofia, Bulgaria  
University of Tartu, Estonia  
Charles University, Czech Republic  
Charles University, Czech Republic  
Marmara University, Turkey  
Charles University, Czech Republic  
University of Gondar, Ethiopia  
Telengana Teaching Hospital, South India  
Charles University, Czech Republic  
University of Gondar, Ethiopia  
Telengana Teaching Hospital, South India  
Charles University, Czech Republic  
Telengana Teaching Hospital, South India



FACULTY OF PHARMACY  
IN HRADEC KRÁLOVÉ  
Charles University



ESCP  
European Society of Clinical Pharmacy



University of  
Zagreb



UNIVERSITAT DE  
BARCELONA



Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin



UNIVERSITY OF  
BELGRADE



MARMARA  
UNIVERSITY



GHENT  
UNIVERSITY



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No. 764632.