

Introduction Erasmus MC, Rotterdam

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2024 유럽 마리퀴리 포닥 펠로우십 Online Workshop 등록 안내 – Korea-EU Research Centre (k-erc.eu)

South Korea and the Netherlands



FDI STOCKS BY COUNTRY AND BY INDUSTRY

Main Investing Countries	2019, in %
Japan	24.6
United States	16.0
Netherlands	9.2
Singapore	7.4
United Kingdom	7.1
Germany	4.1
Hong Kong	4.0
China	4.0

Source: UNCTAD world investment report 2023 – investment in Korea



Korean co-publications in preclinical, clinical & health sciences 2019-2023

InCites dbase as of March 7, 2024

uni or med school* with Korea co-publ world impact

Erasmus MC*	426	12.53
Yale University	775	9.08
Stanford University	910	7.12
Harvard Med School*	1,755	6.76
Icahn Med School Mt Sinai*	623	6.19
UPenn Medicine*	432	6.01
Johns Hopkins Medicine*	679	5.47
EU-27 average w Korea	10,164	4.97
USA average w Korea	19,820	3.26

- NL and Korea: both surrounded by big neighbors
- Rotterdam: a melting pot of 178 nationalities
- Rotterdam: >50% is foreigner or 2nd/3rd generation immigrant
- Rotterdam: largest harbor in Europe & gateway to Europe
- Rotterdam: home to Erasmus MC & gateway to European health research
- !! Netherlands and Korea: a good match !!!

No
need to
learn
Dutch



No 1 in 2019-2023 ranking
Top 3 for the last 11 years

EF EPI

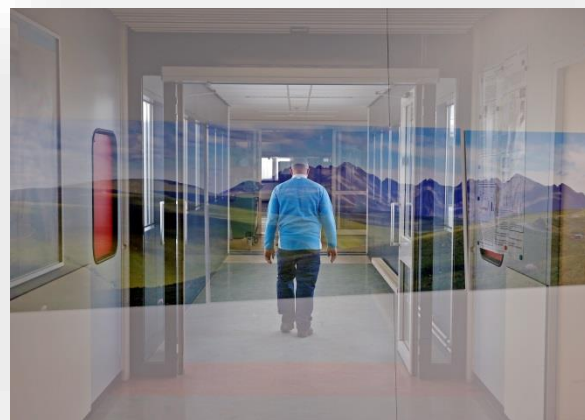
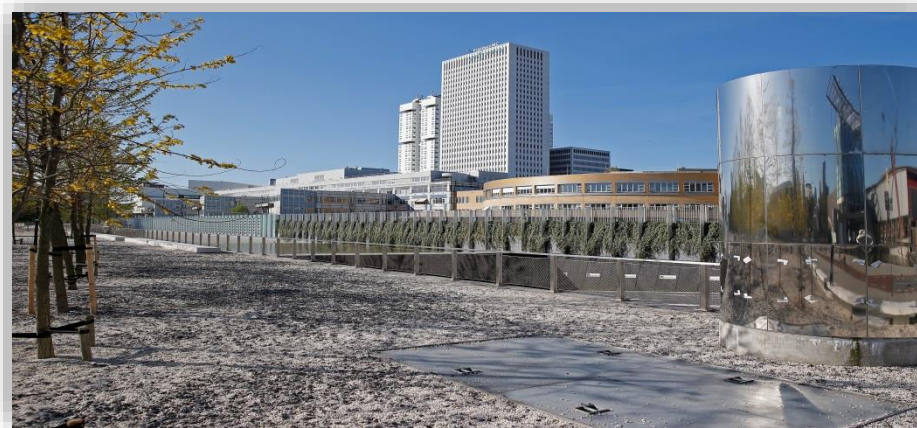
EF English Proficiency Index
A Ranking of 100 Countries and Regions by English Skills

ERASMUS MC, UNIVERSITY MEDICAL CENTER

Merger of the School of Medicine + 3 university hospitals
One executive board, one campus

Hospitals involved:

- the largest and oldest children's hospital
- the largest general hospital
- one of the only two cancer hospitals in the Netherlands



Overview (2022)

17,954 employees

Annual budget € 2.40 billion
€ 200 million education
€ 140 million research

~1,250 beds, but all are single patient rooms (adults)

Supervision rates (staff:students)

Medicine (preclinical) 9:10

Research Master (MSc)* 1:1

PhD* 2:1

Only Dutch Med School offering **all** medical specialties

* Personal tutors, thus excluding lecturers at Grad School

US News Ranking 2023

	World Rank
Surgery	11
Infectious Diseases	13
Gastroenterology & Hepatology	18
Microbiology	27
Endocrinology	28
Immunology	28
Social Sciences & Public Health	31
Neuroscience & Behavior	35
Public, Env & Occup Health	35
Cardiac & Cardiovasc Systems	38
Clinical Medicine	39
Radiology, Nucl Med, Med Imaging	39
Oncology	47
Pharmacology & Toxicology	55

Nature Index Ranking

	World Rank
2021 Young Universities - Life Science	6
2024 Health Sciences	9
2019 Collaboration Big Science - Genetics	13
2021 Infectious Diseases	20
2023 Biological Sciences	29
2020 Cancer	51

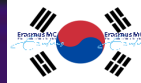
MSCA: postdoctoral fellowships

Developing talents, advancing research



WHY DO WE NEED YOU?

Location of partners in our EU-funded collaborations



Erasmus MC

309 projects funded by the European Commission since FP7
255 Horizon projects
189 Horizon projects in the last 6 years of which
91 in Global (Societal) Challenge Health (Pillar II), with
55 partners worldwide

- Many of these collaborations are initiated by alumni
- With Korea joining Horizon Pillar II as full partner **we need** Korean colleagues at Erasmus MC or alumni in Korea



we need you so ...



WHAT DO WE OFFER ?

POSTDOC PERSPECTIVE: WHAT IS IMPORTANT

Publications — *a fellowship without publications could be near-fatal for your career (in our domain)*

First steps into independence — *mentorship, grant-writing, obtaining a network, supervisory responsibilities to develop your budding leadership*

The institution of your choice:

1. Scientific excellence: *what is the quality of research output of your institute*
2. High quality network: *how well-connected is your candidate institute and what's the quality of its funding network?*
3. What is the organization's infrastructure: *to succeed in an organization you need a successful research group and state-of-the-art equipment & technology but you need organizational support as well*

Preclinical, clinical & health sciences		
2018-2022 <small>InCites dbase as of April 3rd, 2024</small>		
University or Med School*	publ	world impact
Harvard Med School*	94,900	2.33
Erasmus MC*	26,758	2.30
Stanford University	46,539	2.28
Yale University	39,990	2.12
UCLA Med School*	24,467	2.10
Duke University	41,589	2.03
U Pennsylvania Med School*	37,972	1.98
Johns Hopkins Med School*	43,578	1.96
University of Chicago	17,434	1.93

Horizon Europe - Global Challenge: Health		
<small>SOURCE: EC DASHBOARD FEB 13TH 2024</small>		
ORGANIZATION	Country	Participation
INSERM	FR - France	59
KAROLINSKA INSTITUTET	SE - Sweden	52
ERASMUS MC ROTTERDAM	NL - Netherlands	41
KU LEUVEN	BE - Belgium	40
CHARITE BERLIN	DE - Germany	39
RADBOUD UMC	NL - Netherlands	36
REGION HOVEDSTADEN	DK - Denmark	34
UNIVERSITY OF OXFORD	UK - United Kingdom	33
MEDICAL UNIVERSITY VIENNA	AT - Austria	30
UMC UTRECHT	NL - Netherlands	29

The European Tradition of Erasmus MC

- Performed well during FP7 (health no 5), Horizon2020 (Health, Demographic Change, Wellbeing no 5)

ORGANIZATIONAL SUPPORT: INVESTMENT IN YOUR PERSONAL DEVELOPMENT

...because you are the cornerstone of our future collaborations !!!

TRAINING & SUPERVISION SKILLS

- Tutor & mentoring program
- Supervision of grad student(s)

GRANT SKILLS, TRAINING & SUPPORT

- Web tutorials
- In-person masterclasses & workshops
- Grant reviewing & advice

ACADEMIC & LEADERSHIP COURSES

- graduate school for in-depth courses & skills training
- HR office offers leadership & management courses, career advice

PERSONAL GRANTS



2 full time grant advisors
+ 1 part-time

NWO Veni : 0-3 years post PhD
NWO Vidi: 3-8 years post PhD
ERC StG: 2-7 years post PhD
Other personal grants

EU GRANTS



4 full time grant advisors
+ 1 part-time

The time to get familiar with Horizon Europe Pillar II
The time to get familiar with Erasmus+

NATIONAL GRANTS & CHARITIES



2 full time grant advisors
+ 1 part-time

NON-EU GRANTS, NIH GRANTS, PhD SCHOLARSHIPS



1 full time grant advisor
+ 1 NIH grant advisor

Get familiar with US or other foreign grants
Obtaining PhD students with own funding are important for jump-starting your budding group

MEET THE MSCA TEAM

MSCA-PF



- 3 specialized MSCA grant advisors
- Diana, Hedy & Raoul
- background in life & medical sciences, education
- **Within 2 x 24 hours** after mailing us your proposal is reviewed by two team members and back in your inbox

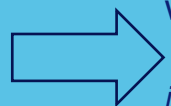
If you need us: always write !!!

- d.goederaad@erasmusmc.nl
- h.vekony@erasmusmc.nl
- t.tan@erasmusmc.nl

The process

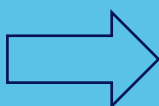
find your host lab

www.erasmusmc.nl



write motivation letter & CV to PI

inform us if no reaction



online meeting

(you and PI)



online meeting with you, PI & MSCA team: start writing

(3-5 reviews by us before you submit your proposal)

MEET THE MSCA TEAM

MSCA-PF



d.goederaad@erasmusmc.nl
h.vekony@erasmusmc.nl
t.tan@erasmusmc.nl

Good to know



Contact the PI's asap, before summer

Plan your first draft before the summer break !!!

NB some departments offer:

- Secondment within the EU
- bonus PhD student

Maximize your EU experience
Maximize your potential....

at Erasmus MC

Have a good track record..

*We hope to welcome you in
Rotterdam
and thank you so much for your
attention
Diana, Hedy and Raoul*