

# Cooperation between Evonik RD&I and Israel research and development landscape

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# Who we are

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**Dr. Ralph Marquardt**

Chief Innovation  
Officer, Evonik



**Dr. Julia Lyubina**

Head of Academic  
Partnerships, Creavis,  
RD&I



**Dr. Helmut Mack**

Coating Additives,  
RD&I



**Renée Röske**

Referent Political  
Communication



# RD&I at Evonik at a glance

~€440 million R&D spend in 2023

2.9% R&D ratio in 2023

>2,700 employees<sup>1</sup>

~23,000 patents<sup>2</sup>

100% sustainability-integrated

1 RD&I, Application Technology, partly Process Technology | 2 Patents and patents pending

3 | October 2024 | Exploring Collaborative Ideas

## Evonik Innovation Growth Areas



Advance  
Precision  
Biosolutions



Enable  
Circular  
Economy



Accelerate  
Energy  
Transition

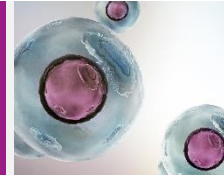
# Advance Precision Biosolutions: Leveraging biotechnology to enhance human health and quality of life while protecting our ecosystems



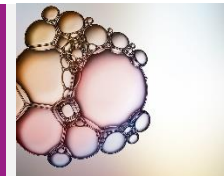
## WE GO BEYOND TO ACCELERATE PRECISION BIOSOLUTIONS



**Nucleic Acid-Based Medicines & Drug Delivery Systems**



**Cell Culture Solutions**



**Biosurfactants & Biofunctional Ingredients**



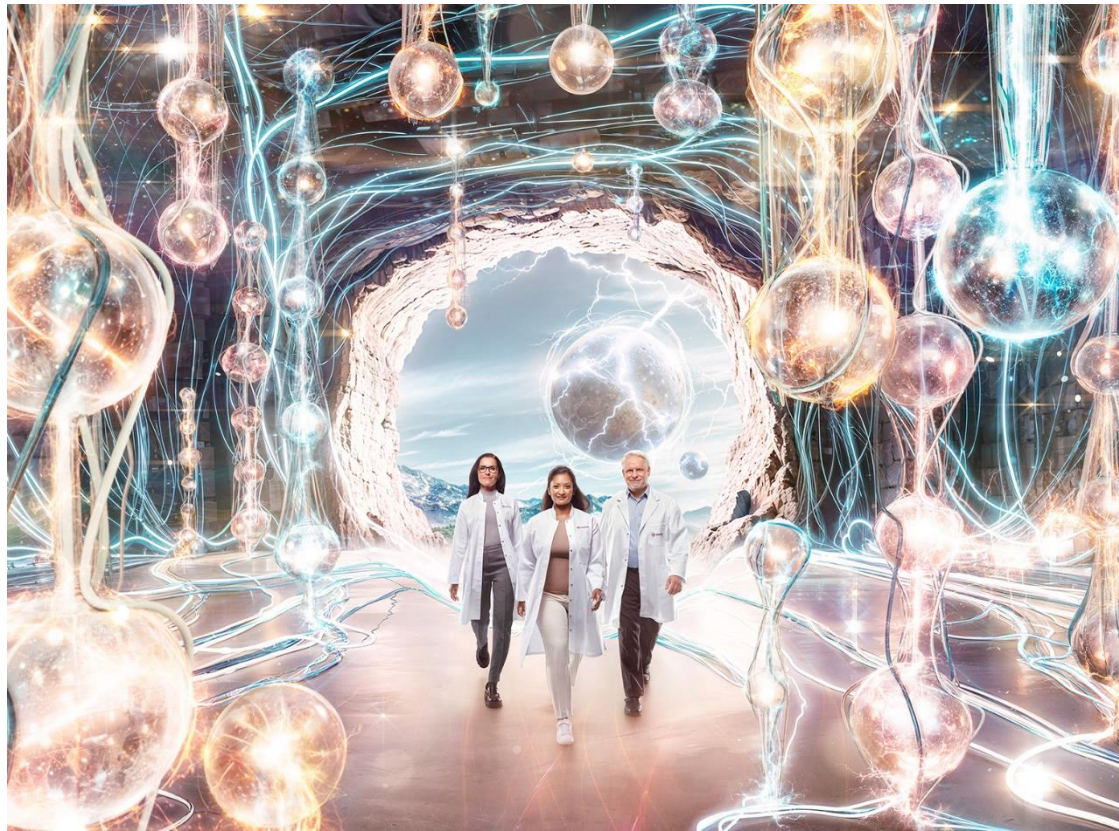
**Cosmetic Actives & Delivery Systems**



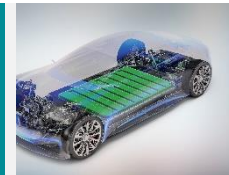
# Accelerate Energy Transition: Addressing not only emission reduction, but also the capture, utilization, and storage of CO<sub>2</sub>



## WE GO BEYOND TO ACCELERATE ENERGY TRANSITION



**Membranes, Hydrogen Generation and Transport**



**Future Mobility and Battery Solutions**



**Carbon Capture and Storage**



**Renewable Energy and Energy Efficiency**



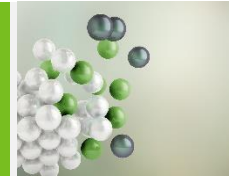
# Enable Circular Economy: Helping to close material cycles and paving the way for a sustainable future of our customers



## WE GO BEYOND TO ENABLE CIRCULAR ECONOMY



**Enable Plastic Recycling**



**Enable Catalyst and Inorganics Recycling**

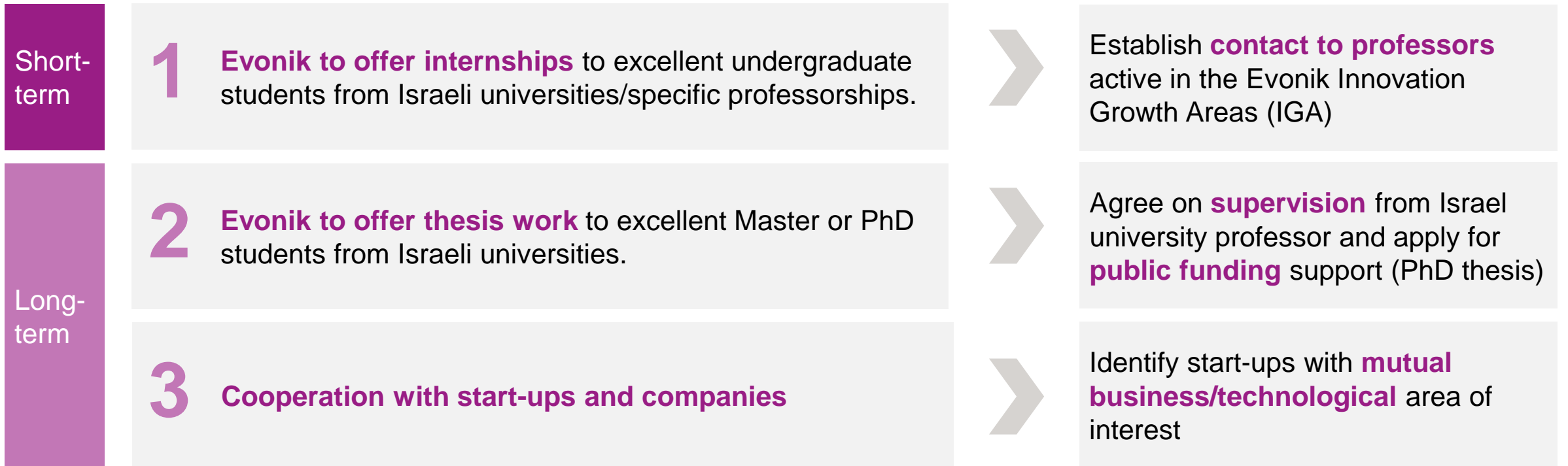


**Renewable or Recycled Raw Materials**



**Design for Circularity**

# We propose three directions for network building and cooperation between Israeli research and development landscape and Evonik



# Evonik can offer internships to talented students from Israel to leverage the long-term potential for joint technological excellence

## 1 Evonik to offer internships

### Internship program concept



- Evonik can provide 5 – 10 internships per year at its RD&I research sites/business lines to undergraduate students from Israel.
- The internship is indented to cover the travel and living expenses in Germany and will be funded by Evonik.

### Participants



Top undergraduates from leading universities and research institutions with research interests in the relevant Evonik IGA.

### Program realisation

#### Student attraction

Participants can be proposed by professors from research areas relevant to Evonik.

#### Application

Interested students can apply to participate in a straightforward selection process with a motivation letter, CV and grade certificates.

#### Selection

Final selection will be made by a committee of Evonik management/HR/ researchers/business line representatives offering internships.



# Evonik can offer thesis work positions to intensify exchange with excellent Israeli universities and research institutes

## 2 Evonik to offer thesis work

### Thesis work program concept



- Master students: thesis topic definition in cooperation with Israel university and Evonik. The stay up to 6 months can be funded by Evonik provided a supervisor in Israel takes care of the academic process.
- PhD students: employment of PhD students by Evonik within a public funded project, e.g. in the EU Horizon Europe program. PhD supervisor at Israel university required.

### Participants



Top undergraduates or graduate students from leading universities and research institutions with research interests in the relevant Evonik IGA.

### Program realisation

#### Student attraction

Participants can be proposed by professors from research areas relevant to Evonik or a corresponding position announcement can be made.

#### Application

Interested students can apply to participate with a motivation letter, CV and grade certificates within the public funded project.

#### Selection

Final selection will be made by Evonik and a representative from each Israeli academic institution within public funded project conditions.

#### Funding PhD students

Participation of Evonik and an Israeli scientist/professor in **Marie Skłodowska-Curie Action or joint projects** under EU Horizon Europe program.

# Evonik would like to explore potential innovation partnership with Israeli start-ups and companies

## 3 Cooperation with start-ups

### Program concept



- Technology cooperation with Israel start-ups and companies.

### Participants



Start-ups and companies active in the Evonik Innovation Growth Areas.

### Program realisation

#### Identification

Identify start-ups with **mutual business/technological** area of interest.

#### Possible partnership activities

- Organize knowledge exchange programs.
- Host joint workshops or pitching events.
- Co-develop new products or technologies.

#### Funding

In the long-term perspective consider investment in promising Israeli start-ups.



# Possible next steps and support that Evonik could require

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## University contacts

- Identify the most relevant professors and departments in Israel and establish contacts to the universities and professors.
- Present the proposed program to Israel professors & researchers.

## Company contacts

- Screening of relevant start-ups & companies.
- Introduction to the companies.
- Identification of possible cooperation models.

