



## Erasmus Plus in P&G Brussels Innovation Center



# Rocco Tarchini

## About me:

- Born in Foggia – Puglia – Italy
- Chemical Engineer – University of Naples
- Living in Brussels
- Married with 1 son

## Me in P&G:

- Joined in 2011 in Brussels Innovation Centre
- Worked in process design of surfactant making plants, product and process design of hand dish washing formulations
- Erasmus+ coordinator since 2021



# P&G

## GLOBAL CONSUMER GOODS COMPANY

Example: P&G brands

### Cura dei Capelli



Head & Shoulders  
Lo Shampoo Antiforfora N°1 al Mondo\*



Herbal Essences  
Cura dei Capelli



Pantene Pro-V  
Cura dei Capelli



Clearblue  
Test di Gravidanza e Ovulazione

### Cura della Salute



Vicks  
Sollievo per Tosse, Raffreddore e Influenza



Kukident  
Salute e Cura del Corpo

### Cura della Casa



Swiffer  
Catturapolvere e Detergenti Multisuperfici



Febreze  
Deodoranti per Ambiente



Ambi Pur  
Deodoranti per Ambiente

### Rasatura



Braun  
Rasatura



Gillette  
Rasoi e Cura della Pelle



Venus  
Rasatura femminile



Oral-B  
Spazzolini da Denti e Fili Interdentali



Viakal  
Cura dei Tessuti e della Casa



Mastro Lindo  
Cura della casa



Fairy  
Detersivo per lavastoviglie

### Cura dei Tessuti



Dash  
Prodotti per il Bucato



Lenor  
Prodotti per la Cura dei Tessuti e Ammorbidenti





# P&G

## BRUSSELS INNOVATION CENTER

### Focus Area

- **Business: Fabric & Home care**
- **Technical:**
  - Complex fluids
  - Product Stability
  - Digital Innovation

#### Cura della Casa



Swiffer  
Catturapolvere e Detergenti  
Multisuperfici



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# BRUSSELS INNOVATION CENTRE PILLARS

## **Super Connected**

**internally & externally  
individually and  
as a community**

## **Driving Sustainability**

**as a priority  
in everything we do**

## **Equal and Diverse**

**Equal opportunity for  
everyone and everyone  
valued for what they  
bring uniquely**



# Welcome to Brussels!





# Erasmus Plus traineeship in BIC

## WHAT WE LOOK FOR

### Student/freshly graduated:

- Highly motivated
- Passionate about technology and science
- Stands out for his/her curiosity
- And has:
  - Initiative
  - leadership
  - good communication skills
  - ability to work in a team



# Erasmus Plus traineeship in BIC

## WHAT TO EXPECT: TOPICS/ENVIRONMENT

- Put at work your technical knowledge and lead a challenging project aimed at:
  - -Developing **new formulations** with new chemistry
  - -Developing in depth understanding of the **mechanism of action** of the chemistry in the product
  - -Developing **new processes** to make our formulations in the plants
  - -Developing **new test methods** to measure product performance
  - -Creating/developing **empirical models** to predict the product performance or the process
  - - Developing **software/codes** to run big data analysis
  - -Developing **machine learning algorithms** to improve our products and processes
  - -Developing data analysis and **visualization tools** to understand consumer insights
  - -Creating/designing new packaging solutions
- Work in multifunctional team





# Erasmus Plus traineeship in BIC

## WHAT TO EXPECT: TASKS

- Internal/External Literature research
- Create experimental Plan
- Execute experiments
  - Formulate technology/product
  - Characterize technology/product
  - Study transformations happening during the making process
- Analyze/model results
- Formulate recommendation and next steps
- Share results with supervisor/ team/ management



# Erasmus Plus traineeship in BIC

## WHAT TO EXPECT: TASKS (DATA SCIENCE PROJECTS)

- Develop software solutions to analyze big data sets
- Develop computer vision algorithms
- Develop machine learning algorithms to improve our products and processes
- Ensure data connection, integrity and activation
- Develop visualization dashboards
- Build data bases to capture/store large amount of data and the applications to easily retrieve them
- Formulate recommendation and next steps
- Share results with supervisor/ team/ management



# Erasmus Plus traineeship in BIC

## WHAT TO EXPECT: NEW SKILLS

### Soft Skills

- Capacity for analysis and synthesis
- Capacity to generate new ideas (creativity)
- Initiative and entrepreneurial spirit
- Problem solving
- Capacity for organisation and planning
- Capacity to work in an interdisciplinary team
- Capacity to apply knowledge in practice
- Capacity to adapt to new situations
- Ability to work autonomously

### Technical ( Project dependent)

- Product
- Processes
- Methods
- Technologies/new chemistries
- Analysis/Software
- Data science/coding





# Erasmus Plus traineeship in BIC

## SELECTION PROCESS

**Traineeship period:** traineeships and selection available through the full year.

To apply send your CV to: [tarchini.rt@pg.com](mailto:tarchini.rt@pg.com)

### Selection procedure:

- Cv screening – Erasmus Team
- 1<sup>st</sup> interview – Erasmus Team
- 2<sup>nd</sup> interview - Project owner



**Acceptance letter/ learning agreement**



# Erasmus Plus traineeship in BIC

## ECONOMIC COMPLEMENT

**Economic complement ADDITIONAL to your Erasmus Grant**

- Monthly compensation: 990/Euros
- One off: 200Euros travel allowance

### **Accommodation**

- Not provided
- We do provide information and links on how to look for



# Why Brussels?

