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Are you ready to face a new challenge every day?

University of Oxford
Department of Materials

Alfred Wong
DPhil (Materials) 1993
My history with P&G

- Began DPhil in Biomaterials Group in September 1990.
- Full interview and job offer February 1993.
- Completed DPhil in October 1993.
- Currently, Section Head with 25 direct reports.
Who we are

How we work

A career in R&D at P&G
Who we are
P&G at a glance

- Founded in 1837.
- Annual Sales > $83 billion.
- More than 300 brands in more than 160 countries.
- 24 global brands with sales of over $1 billion each.
- Worldwide workforce of 138,000.
- 140 plants and 27 R&D centres globally.
- Spend over $2.2 billion a year on R&D.

P&G In a Glance

• Sales of $68.2 billions
• Nearly 300 brands in more than 160 countries
• 22 global brands with sales of over $1 billion
• Workforce of 140,000
• 3 billions people touched everyday by P&G products
• Spends more than $5 million a day on R&D
P&G’s Billion-Dollar Brands
The essence of P&G

- Our Purpose, Values and Principles

We will provide branded products and services of superior quality and value that improve the lives of the world’s consumers, now and for generations to come.
How we work
Unique Organisation Structure

- Market Development Organisations
  - NA, LA, WE, CEEMEA, AAI, GC, NEA
- Global Business Units
  - Beauty Care
  - Global Health & Well Being
  - Household Care
- Global Business Services
  - Shared Services
- Corporate Functions
  - Governance, Capability, Functional Innovation
Combining Global Scale & Local Understanding

Our unique organisation structure enables us to:-

• focus on consumers and retail customers at local level;

• take a global approach to building leadership brands;

• promote collaboration, synergy, and innovation by bringing multi-functional resources together early;

• leverage P&G’s size and scale, while focusing in each market on excellent execution.
Health & Wellness
Household Care
P&G Organisation Structure

Consorter Knowledge

Research & Development

Product Supply

Finance

Customer Business Development

Marketing

External Relations

Information Decision Solutions

Human Resources
3

A career in R&D at P&G
“R&D - The Magic Behind the Brands”

Winning Innovation with Consumers & Customers
How do we define Innovation?

Innovation is the blend of “What’s Needed” with “What’s Possible”

**What’s Needed?**
- Consumer
- Customer
- Competition

**What’s Possible?**
- Technology

Leading Edge Innovation
P&G Success Model

• Obtain deep customer and consumer insight.

• Innovate with superior technology.

• Protect and brand the technology.

• Create partnerships with external companies and organisations.
Global R&D Organization

- Over 9000 Employees
- 40% Outside U.S.
- Over 1100 PhD’s
- 80 Countries of Origin
- Over $2.2 Billion
- Over 28,000 active patents
R&D in Europe

- Main R&D Centres: 8
- R&D Population: 2100
- Countries of Origin: 50
- Number of PhDs: 350
Research Centres in Western Europe

- Newcastle Technical Centre
  Newcastle, UK

- London Innovation Centre
  Egham, UK

- Gillette Technical Centre
  Reading, UK

- Schwalbach Innovation Centre
  Schwalbach, Germany

- Kronberg Innovation Centre
  Kronberg, Germany

- Darmstadt Innovation Centre
  Darmstadt, Germany (incl. Fribourg, CH)

- Brussels Innovation Centre
  Strombeek-Bever, Belgium

- Italian Innovation Centres
  Pomezia and Pescara, Italy
R&D Diversity in Disciplines

- **Physical Sciences**
  Chemistry, Physics, Materials Technology

- **Life Sciences**
  Biochemistry, Biology, Immunology, Microbiology, Pharmacology, Pharmacy, Physiological Sciences, Toxicology, Zoology

- **Engineering:**
  Chemical, Mechanical, Electrical, Industrial, Precision, Mechatronics

- **Product and Industrial Design**
R&D Diversity in Roles

Consumer Research
Technology Development
Formulation Science
Process Development and Manufacturing Capability
Packaging and Device Development
Analytical and Microbiology
Product Safety and Regulatory Affairs
Patents
Statistics
Perfumes
Medical Affairs
Materials Science at P&G

**Packaging materials:**
- Caps
- Bottles
- Tubes
- Films, laminates, composites
- Paper-cardboard
- Glass
- Paper/pulp
- Metals
- Elastomers

**Non-woven substrates**

**Smart materials**

**Biomaterials**

**Printing materials**

**Adhesives**

**Devices / Delivery Systems**

**Microscopy / Surface Science**

**Absorbent Materials**

**Antistatic Materials**

**Batteries**
What do we look for?
Career Diversity in R&D

Technical Career System

Technologists
- VMS
- Research Fellow (RF)
- Principal Scientist/Engineer (PSE)

Technology Managers
- Manager/VP
- Director (D)
- Associate Director (AD)
- Section Head (SH)

Senior Scientist/Engineer (SSE)

Scientist Engineer (SE)
Entry Level
www.pgcareers.com