

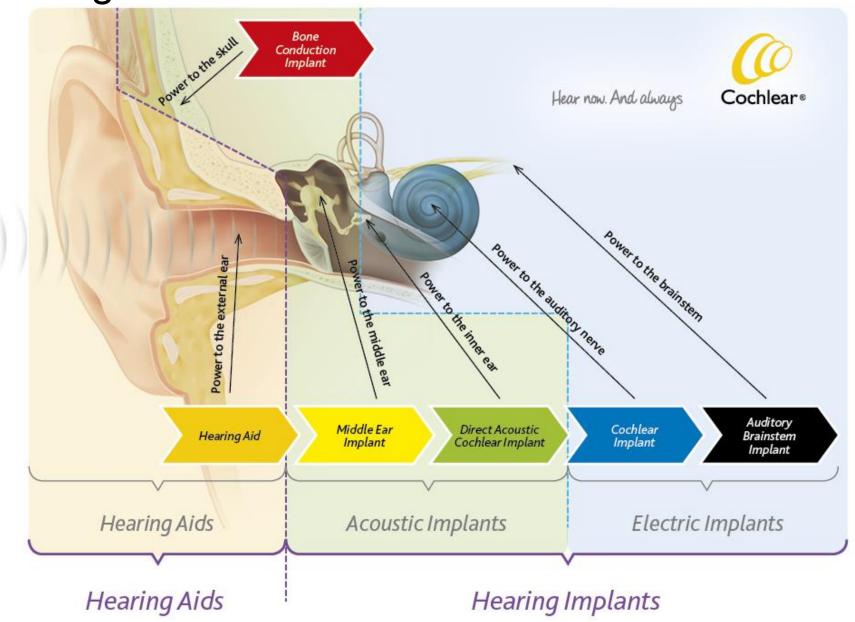
MOSAICS - Hearing Matters

European Industrial Doctorate to train experts in auditory implants for minimized outcome spread and maximized participation in society

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Hearing Solutions





Cochlear Limited (ASX:COH)

The global leader in implantable hearing solutions

Cochlear/Hybrid implants Bone conduction implants Acoustic implants



Cochlear in Belgium (Mechelen)



- Established in 2000
- Employs ~ 120 staff
 - Cochlear Technology Centre (CTC)
 - Cochlear Benelux: sales & support
 - Cochlear Academy (EU training centre)





CTC

- Largest R&D centre outside Australia
- 75 R&D staff

Expanding our research capacity



- Seeking co-funding is very important for our EU innovation hub.
 - additional budget, allowing to accelerate the research
 - allows us to engage in more risky, long-term projects
 - Strengthens/expands our research and technological partnership networks
- Regional
 - Baekeland PhD mandates
 - Research and Development grants (O&O)

AGENTSCHAP
INNOVEREN & ONDERNEMEN

- European programs
 - AAL, Active Assisted Living Programme (*)
 - H2020 FET-Open: BionicVest
 - ITN networks: AUDIS, iCanHear, iCARE, TiNACT
 - EID: MOSAICS (*)



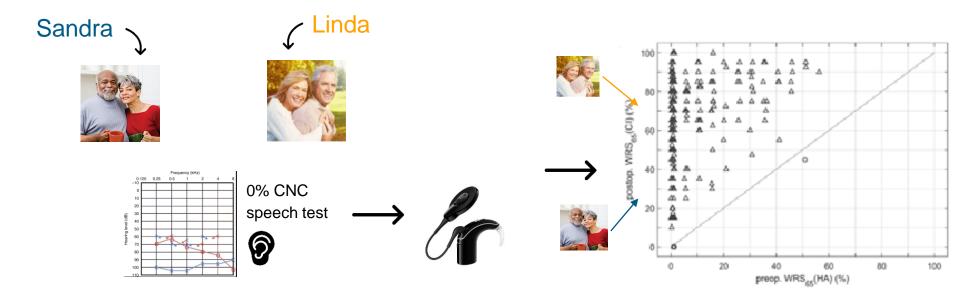






MOSAICS: Why large outcome variability with cochlear implants?







Hearing Matters

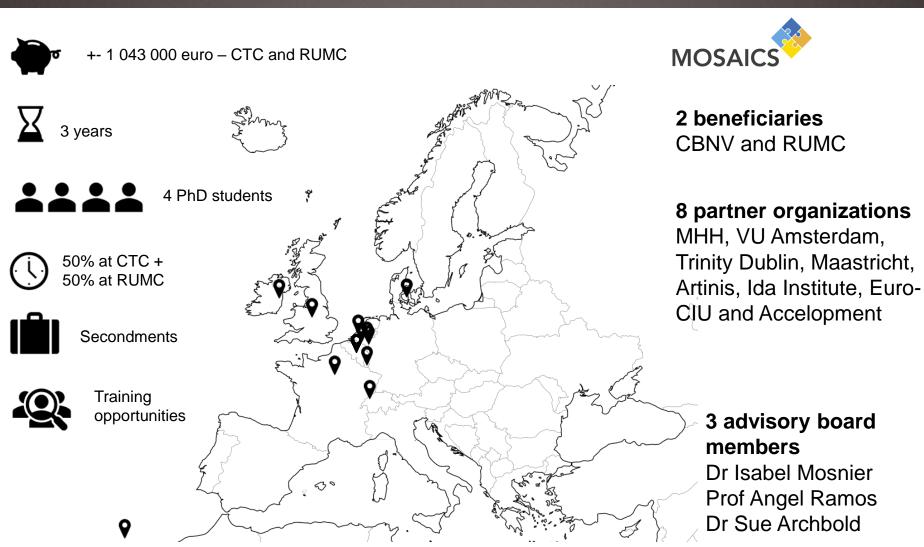
Minimizing Outcome Spread and

Maximizing Participation in Society

- Variability is a hard problem.
 - Basic science not well understood.
 - PhD formula is attractive
- Research topics
 - Diagnostics (ear): Electrode neural interface
 - 2. Diagnostics (brain): cognitive factors
 - 3. Treatment: Fitting & Rehab
 - 4. Impact on Quality of Life

MOSAICS Project Overview





MOSAICS Application Process



- We do not have dedicated staff for funding opportunities. We work with consultants.
 - Our research management team keeps a list of possible topics
- Programme selection
 - Consultant agency pointed us to the "European Industrial Doctorate" programme, with fairly high success rates.
- Grant application process
 - Co-design between COH research staff and consultant
 - Cochlear: Scientific content, relevance, selection of partners
 - Consultant: helped with definition of the training programme, engaging partners, budgets, EU administration
 - Started rather late (end of Nov), also due to availability of our partners in the network. Was an intense period

MOSAICS: the application document



Excellence

• Quality, innovative aspects and credibility of the research programme

- WP1, From cochlea to cortex
- WP2, Brain, train, and sustain
- Quality and innovative aspects of the training program
 - Holistic approach, doctoral schools, secondments,...

Impact

- Career opportunities for the ESRs
- Strengthening the EU's innovation capacity
- Dissemination

Quality & Efficiency

Consistency of the work plan

34 page dense document submitted on 16/Jan/19

Score

4.40/5.00

5.00/5.00

4.80/5.00

93.20% (>70%) 15/May/19

Discussion



European Industrial Doctorates

- Attractive formula for a corporate innovation lab seeking collaboration with knowledge centers
 - > Topics need to be long term, and suited for academic research
- Relatively small projects, well funded, no big overhead
 - In the end only 2 beneficiaries. We looked into adding more, but it was not advantageous in terms of the funding model.
 - > Doable to be project coordinator
- Working with a consultancy agency was beneficial
 - Application process could have been smoother... Fairly stressful. Start on time!
 - Value adding
 - > in the programme selection
 - would not have gotten such a high score on the Impact and Quality & Effectiveness categories
 - They will take on a PM/admin role during the execution of the project



Hear now. And always