### To find a cure for Parkinson's





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### Foreword





Creating the Demoucelle Parkinson Charity was for me a way of persevering despite the illness. Thanks to our Charity, I feel like a real actor of change. Not just for me of course, but for the 6,3 million people worldwide who daily live with the disease. A new, very positive project in coping with this tough disease challenge.



When the disease invited itself in our family nest, we could have sat back and hope that everything would be fine. But we preferred to act and create the Demoucelle Parkinson Charity. I didn't want Patrick to hold the reins of this fantastic adventure alone: I love new challenges and I also want more than anything to find a cure for Parkinson's disease. Since then we've been putting all our energy in it!

"

### Who we are



In 2005, while at the top of his professional career, the 40 years old businessman Patrick Demoucelle was diagnosed with Parkinson's disease. The consequence was a brutal change in his own life, and the life of his family and friends.

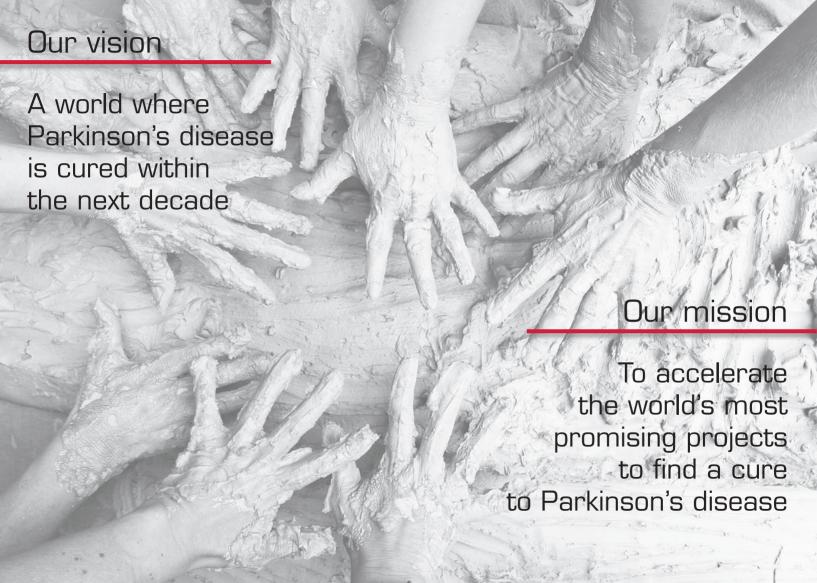
His ambition-drive gave him the motivation to go on in the same dynamic way. He wanted to keep hope and believed in a solution.

In 2011, together with his wife Anne-Marie, he established the Demoucelle Parkinson Charity to accelerate the process of finding a cure for Parkinson's. 40 000 Belgians are living with Parkinson's disease: 1 Belgian out of 283, amongst whom 10% are younger than 50. Parkinson's disease is not only an 'old people disease' as we tend to believe. Many young persons are suffering from it!

13 years later, Patrick is still motivated. Of course symptoms are getting worse and it is getting more and more difficult for his entourage, but he is not giving up. He still believes in a solution, and so do we.

A solution is possible.

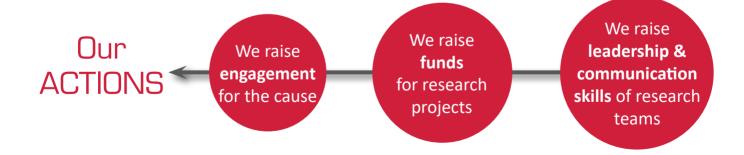






The Demoucelle Parkinson Charity wants to support the most promising projects that are most likely to find a solution. Together with the Michael J. Fox Foundation, we have given support to 8 (pre-)clinical trial stage projects so far; 7 are in Europe and 1 in the United-States.

To be able to boost these scientific projects, we collect funds, help research teams to improve their communication and leadership skills, and reinforce the engagement towards the cause. It is capital to promote a positive attitude towards Parkinson's disease.



### Parkinson's disease



Parkinson's disease (PD) is a degenerative disorder of the central nervous system. PD invariably progresses with time. The symptoms are diverse, and worsen as the disease evolves. Typical symptoms are movement disorders, trembling, rigidity, dyskinesia, speaking difficulties, difficult swallowing, sleep deprivation, depression. Not easy to live every day with that!

So far, all available Parkinson medications are symptom treating. But they do not offer any definitive solution to the disease.

However, science is progressing and we are closer to a cure.

Only one side of body affected

Both sides affected

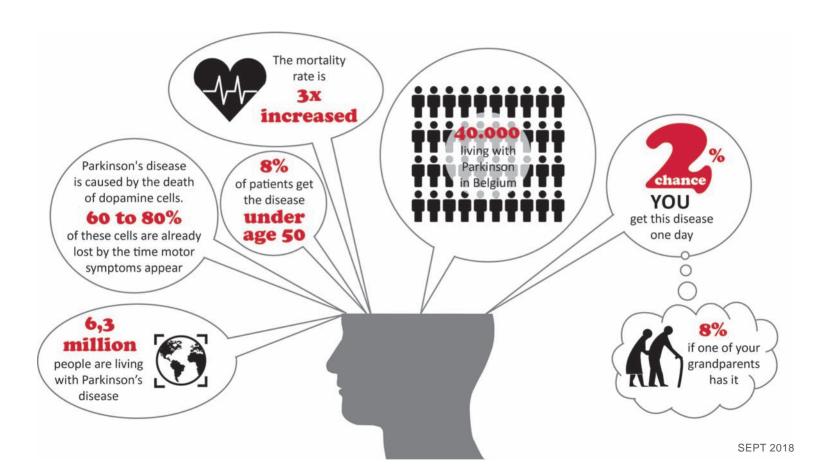
Both sides while standing/ walking

Inability to to stand/walk

bed & chair

Evolution of the disease

### Parkinson's statistics



### Focus themes of projects we support



In repurposing projects, it is tested whether certain components of medicines for one disease can be **used for another disease**, ie whether they have a positive **impact** on the evolution of this other disease.

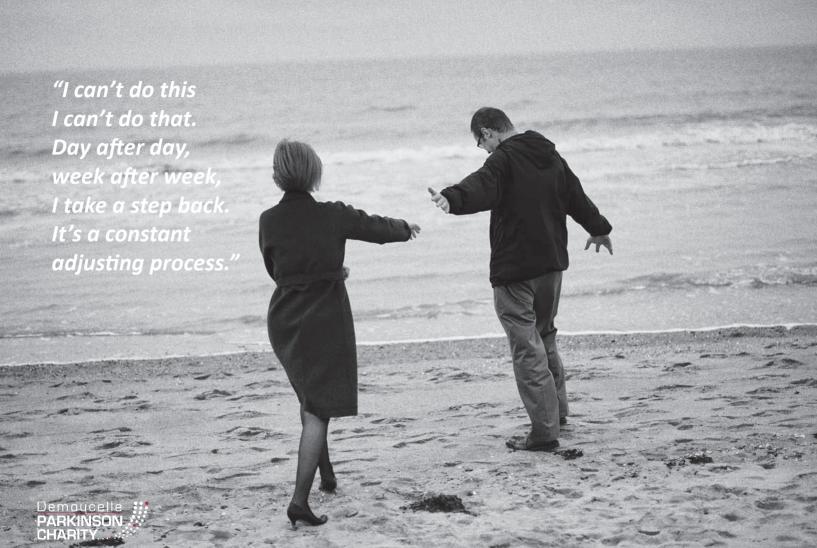
Alpha-synuclein is a **protein** that is common in the human brain. It also occurs in smaller amounts in the heart, muscles and other tissue.

With Parkinson's patients it spreads in a **distorted version** in the brain.

Biomarkers are indicators in the body to **measure** certain characteristics such as the chance to have a disease or the effects of medication.

For Parkinson's disease, a biomarker **has** yet **to be found** to measure the disease.





### Development process new medication

#### **RESEARCH PHASE**

Identification of new molecules
Protect intellectual property with patents
Synthesis / preparation of new molecules
Unravelling the working mechanism

#### Phase we invest in

#### **CLINICAL PHASES**

Phase I: Safety -Testing on 20-100 volunteers
Phase II: Effectiveness - Testing on 100-500 patients,
Preparation of production
Phase III: Phase I and II on a large scale – Testing on
1000 – 5000 patients. Preparation production

#### **ON THE MARKET**

Follow-up drug on the market (side effects, interactions, ...)



#### FUNDAMENTAL RESEARCH

Experimental or theoretical works to obtain new knowledge on the basics of observable phenomena or facts

#### **PRE-CLINICAL PHASE**

Testing safety and biological efficacy in experimental animal models Entering production

#### **ADMINISTRATIVE PROCESS**

Drug Registration
Price setting and application for
reimbursement by health insurance
Scale up production

up to 20 years

### Our portfolio

#### **EXENATIDE**

Validate repositioning potential 2013

**NILOTINIB** 

Validate repositioning potential

2016

### 2016

Develop clinical trial guidelines 2017

**ADX** 

**KHONDRION** 

Pretest repositioning potential

### INTERMED

Pretest efficacy of molecule 2013

#### **AFFITOPE**

Test efficacy of vaccine 2012

### NLIFE THERA

Pretest efficacy of molecule 2015

#### **AC IMMUNE**

Develop brain-imaging agent 2015 2018

repositioning

— α-synuclein

— biomarker

The Demoucelle Parkinson Charity supported, so far

8 of the world's most promising research projects

7/8 based in Europe

In partnership with the Michael J. Fox Foundation, the Demoucelle Parkinson Charity

selects, funds and steers

the most promising research projects worldwide



Run for Parkinson was launched in 2015. Patrick Demoucelle, living with Parkinson's disease for 10 years then, decided to run the 20km of Brussels in order to raise funds for Parkinson's disease.

240 people enrolled in the initiative and ran together with Patrick. Many organizations and companies got engaged and supported *Run for Parkinson*.

The first Run was a big success and therefore the event was organized again in 2016, 2017 and 2018.

In 2017, other Parkinson patients joined Patrick and ran the 20km for the first time. This tradition was continued. Almost 700 runners joined us with the colours of *Run for Parkinson* in 2018.

	2015	2016	2017	2018
€ raised	117 530	110 065	133 187	112 128
# runners	250	360	414	691

# RUNparkinson

PARKINSON ... CHARITY...

20 km de bruxelles door brussel







www.demoucelle.com/charity

### We need your support...



#### **DONATE NOW!**

King Baudouin Foundation BE10 0000 0000 0404 Please state this reference: \*\*\*014/1340/00039\*\*\*

or **ONLINE** 

www.demoucelle.com/charity

#### Do you want to become volunteer?

Create your own action,
participate to a sportive event,
or support us with your company!
You can create your own fundraising
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www.demoucelle.com/charity