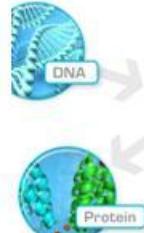


## 3<sup>rd</sup> Quarter 2012

**Strengthened management and Board. A strategic redirection towards focused product development and commercialization in Alzheimer's Disease**

*Paul de Potocki, CEO  
Magnus Sjögren, CMO  
Ruben Ekbråten, CFO*



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# Agenda

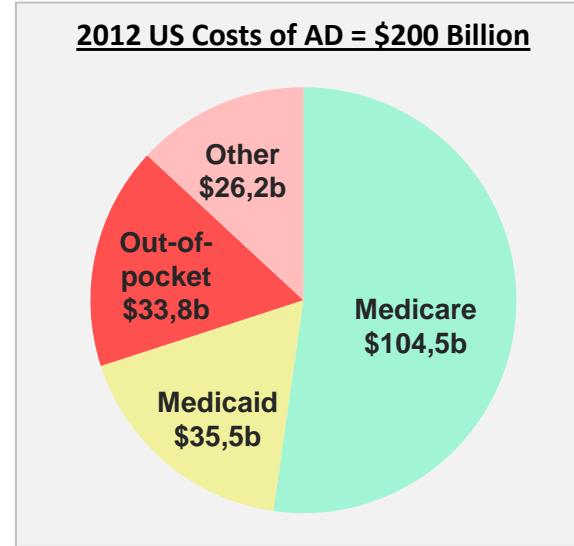
- Strategic focus
- Product development
- Financials
- Outlook and Summary

# Value Creation

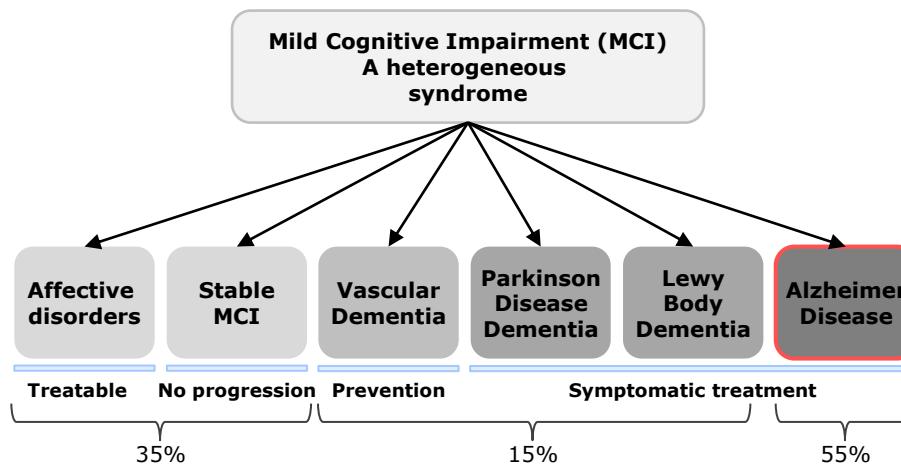
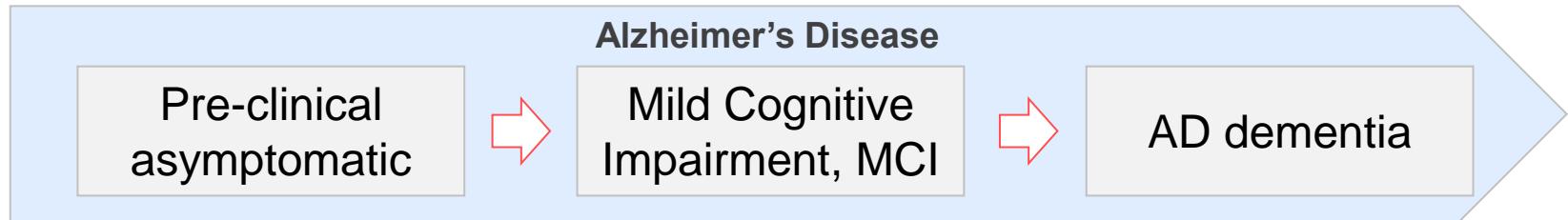
- Proprietary and validated technology
- Products to market
- Address unmet medical needs

# Alzheimer's Disease (AD)

- Around 36 million people worldwide are living with dementia, with numbers doubling every twenty years
- An estimated 5.4 million Americans have AD, reaching 11-16 million in 2050
- Sixth leading cause of death
- Direct costs in the U.S. expected to be \$200b in 2012, including \$140b in costs to Medicare and Medicaid
- Without effective actions, the costs of AD in the U.S. in 2050 are estimated to total \$1.1 trillion. Costs to Medicare and Medicaid will increase nearly 500%



# A recent shift in focus – Earlier stage AD



# Diagnostic Alternatives

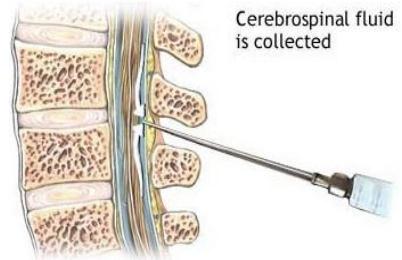
## ● Patient assessment and cognitive function

### Brain PET imaging



- Accurate detection of brain amyloid
- Single AD related biological process (A $\beta$ )
- 20-30% false positives
- Limited access
- Expensive and time consuming

### CSF biomarker



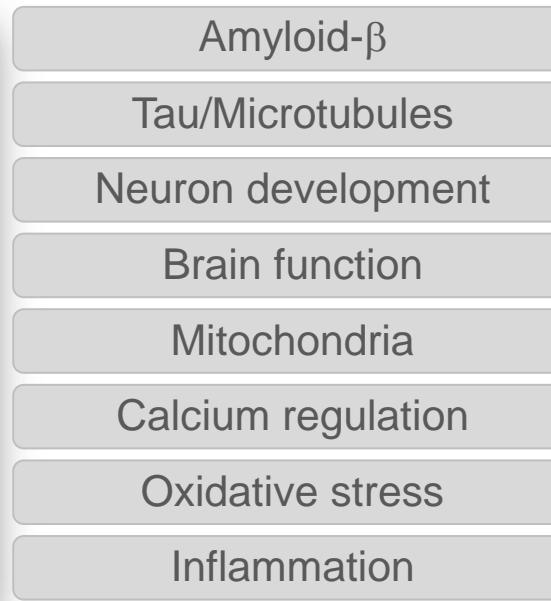
- Utility in AD research
- Includes two AD related biological processes (A $\beta$ , Tau)
- >30% false positives
- Invasive procedure
- Lack of standardization

### Gene expression



- Patient friendly, less invasive and fast
- Includes all known AD related biological processes
- Less expensive
- Requires regulatory clearances

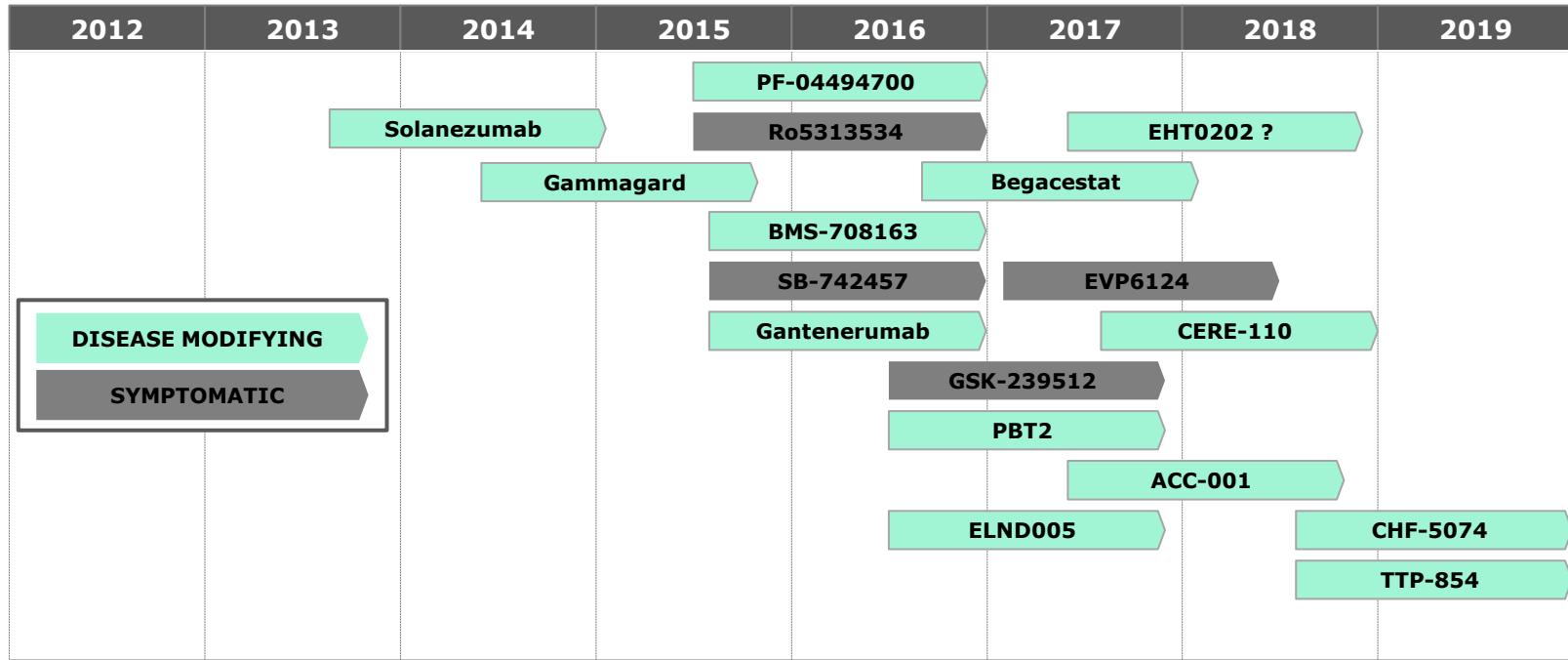
# Gene expression and AD pathology



IVD products based  
on 20 - 96 gene sets  
that accurately detect  
AD and AD-MCI

- ADtect® and MCItect® assays cover a wide range of known pathways associated with AD pathology, such as Amyloid-beta, pTau, neurodegeneration and mitochondrial processing

# Significant drug development investments



- The Alzheimer's disease drug market is worth \$5.8bn in 2011, forecasted to grow to \$14.5bn - 20bn by 2020
- New and expensive drug therapies expected to increase need and value of early diagnosis
- Pharma is increasingly targeting or re-targeting early stage AD

# Important unmet needs in AD treatment paradigm shift

A patient friendly, minimally invasive and cost effective tool with competitive diagnostic accuracy that covers multiple pathways associated with AD, to help:

- ◆ Detect Alzheimer's Disease at early stage
- ◆ Differentiate MCI patients with and without AD
- ◆ Predict progression of MCI to AD
- ◆ Select patients eligible for brain PET scanning
- ◆ Follow disease progression

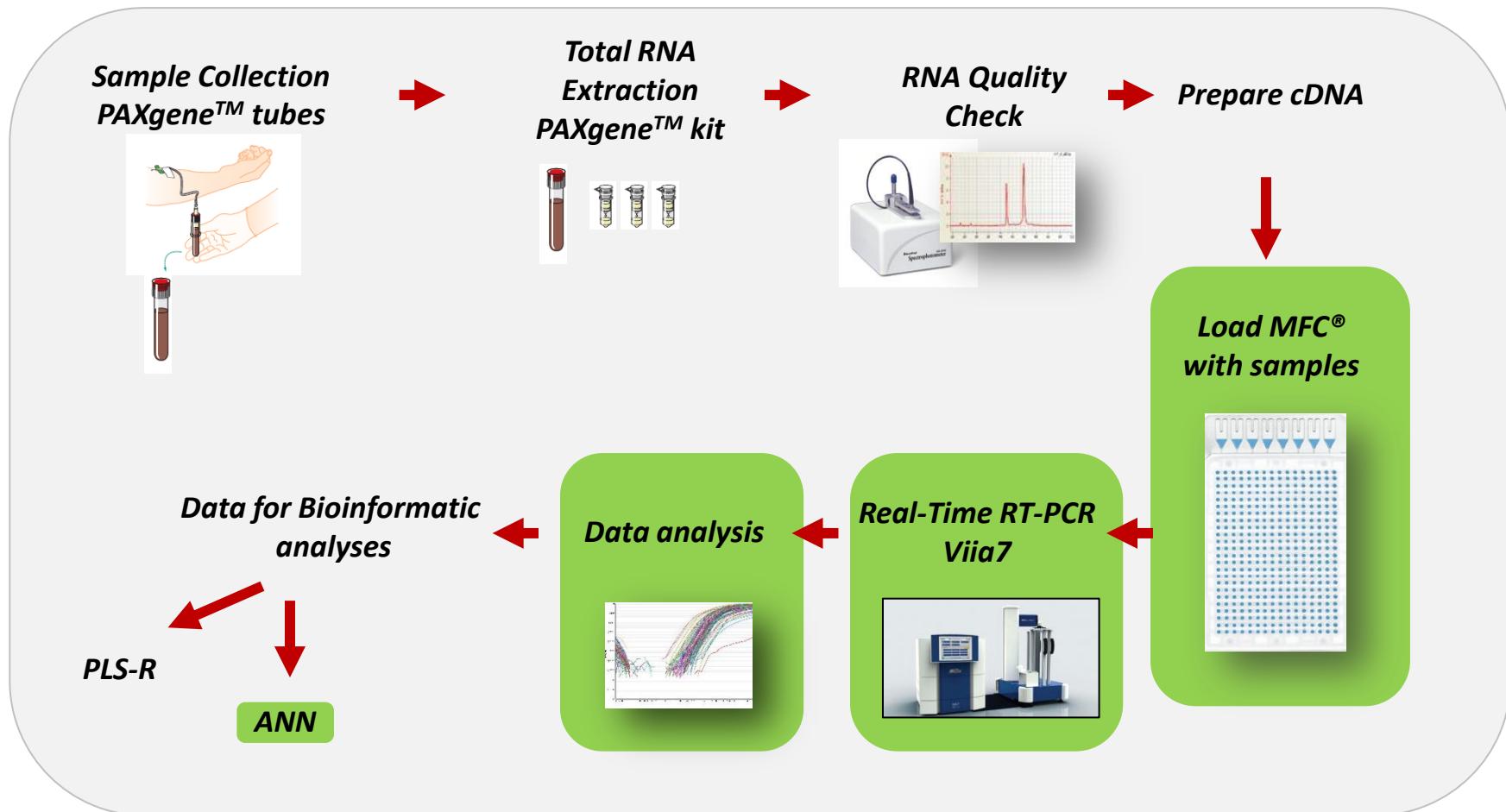
# Strategic Focus Going Forward

- Alzheimer's Disease
- Product development and regulatory clearances in major markets
- Additional third party collaborations
- Position technology and company for strategic partnership and value creation

# Agenda

- Strategic focus
- Product development
- Financials
- Outlook and Summary

# Technology and products



= DiaGenic developments

# Product pipeline for Alzheimer's Disease

## MCItect®

- To detect patients with amnestic MCI who will progress to AD within two years
- Second generation MCItect® in validation, with optimized gene set and test accuracy of 81%

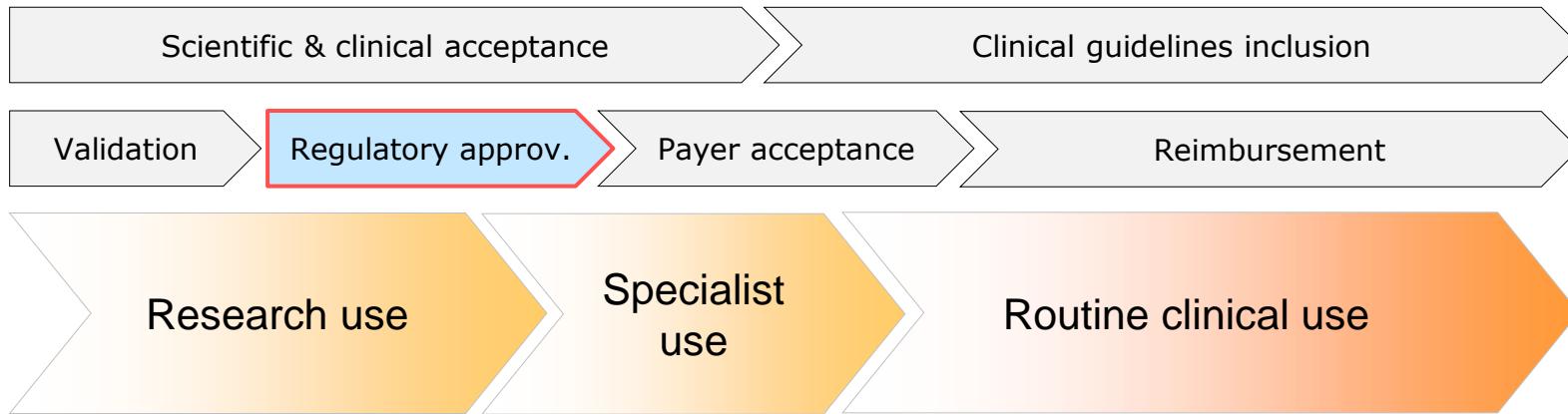
## ADtect®

- To aid in the diagnosis of mild to moderate AD
- Second generation ADtect® in final developed, with fewer genes and improved test accuracy of 81%

## AMYLOtect™

- IVD test to detect patients with brain amyloid that correlates with brain PET imaging. Studied in GE Healthcare collaboration

# Regulatory Clearances



- Regulatory clearances are a prerequisite for the commercial development of products
- CE-marking in Europe planned for H1 2013
- Pre-IDE meeting with the FDA and pivotal U.S. clinical trials in active preparations

# Recent collaboration agreements providing access to patient data

- Contract with Harvard Medical School to provide access to U.S. biomaterial and clinical data to enable validation of MCItect® in American patients with MCI. Studies planned to commence in the first quarter of 2013
- Agreement with European group, focused on MCI and AD, regarding access to patient data and samples. This will enable a major separate EU validation of MCItect® planned for 1Q 2013

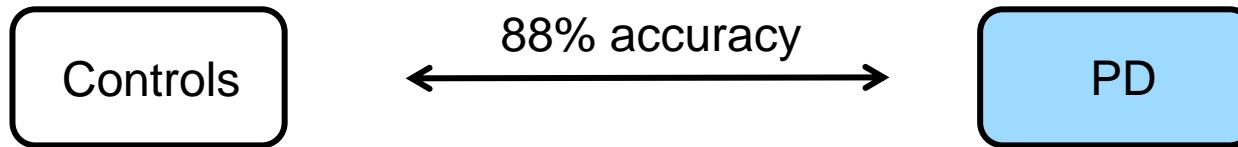
# Progression GEHC collaboration

- The collaborative study with GE Healthcare aiming at identifying a gene signature that identifies the presence of amyloid in the brain is progressing according to plan

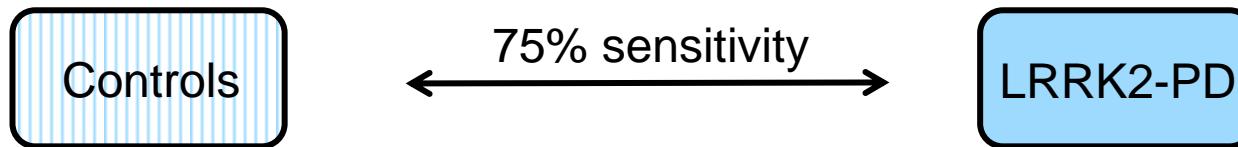
As per the 17<sup>th</sup> of October, 25 patients have been included in the study which aims to include 150 patients. A first read-out is preliminary planned for mid-2013

# Further validation of DiaGenic technology – familial LRRK2 Parkinson disease

- Study 1 – Pilot study in Parkinson disease (PD) found gene signature that discriminated PD from controls with 88% accuracy



- Study 2 - Methodological validation study, collaboration Prof. Jan Aasly at St. Olavs Hospital, Trondheim, Norway
  - LRRK2 risk gene (mutation) for PD
  - 12 LRRK2-PD patients and 49 healthy LRRK2 mutation carriers



# Objectives for additional collaborative partnerships

- It is likely that DiaGenic will enter into additional non-exclusive partnerships and collaborative development deals related to Alzheimer's Disease with industry partners
- Collaborative alliances with Pharma companies and other key stakeholders are of great strategic importance in the development and commercialization of DiaGenic's products going forward
- DiaGenic aims to maintain control of its IP and technology platform, and consequently we do not expect to create meaningful short term revenues from such collaborations

# Agenda

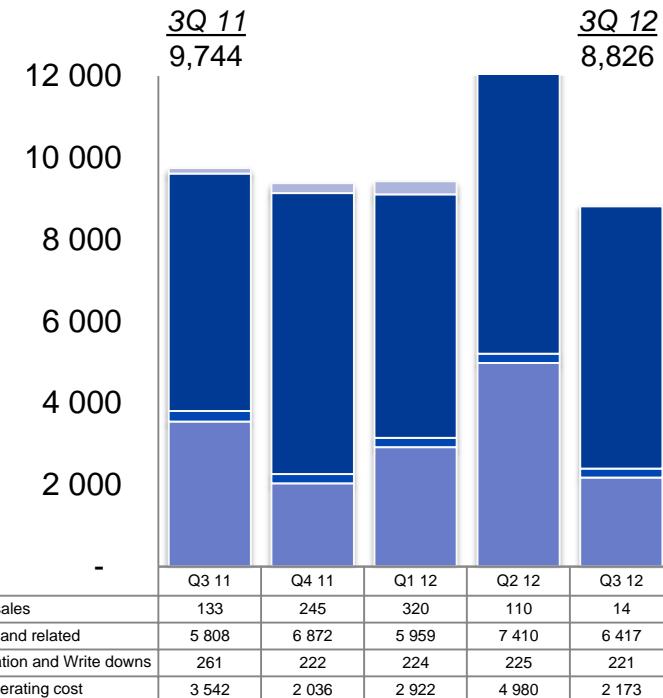
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# Finance, Profit & Loss

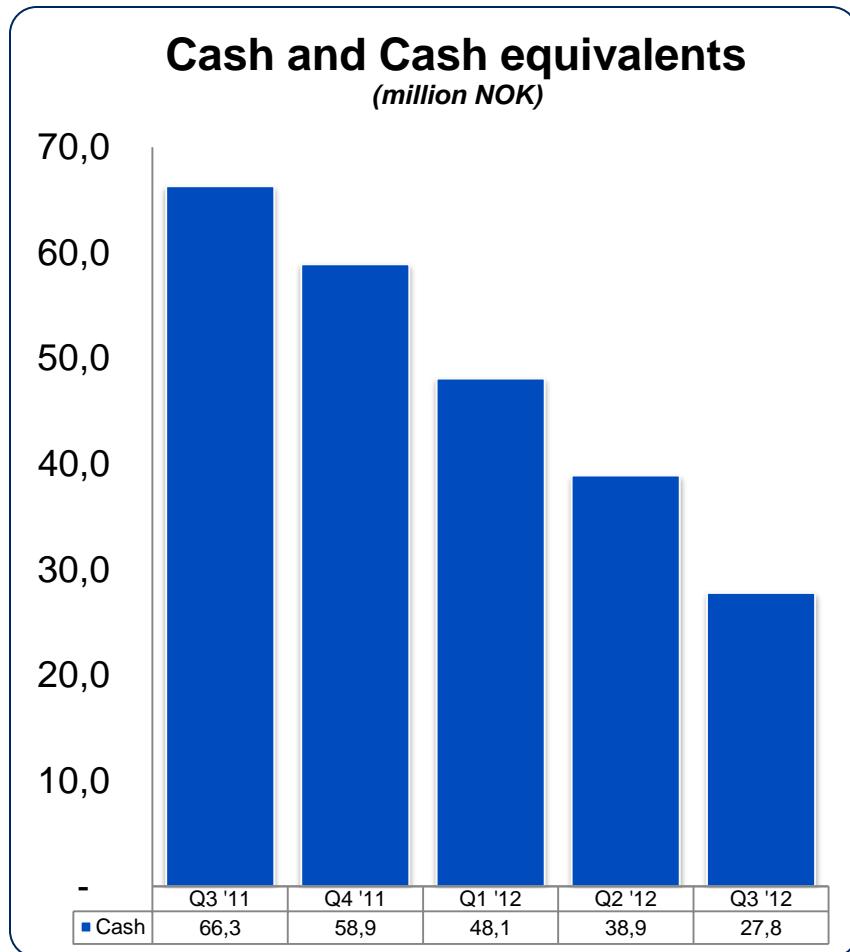
**P&L 3Q**  
(*thousand NOK*)

	3Q '12	3Q '11
Revenue	21	276
Grants	856	1,100
Operating Cost net of Grants	8,826	9,744
Operating loss	(8,805)	(9,468)
Net finance	197	493
Net income	(8,608)	(8,975)

**Operating Cost**  
(*thousand NOK*)



# Finance, Cash position and Financing



- Cash balance end of September 2012: NOK 28 million
- At current cost level and with no revenues, the estimated time to no cash is Q2 2013
- Assessment of the capital need and financing alternatives for strategy implementation is on-going and we are pleased to have DNB Markets supporting us in this work.

# Agenda

- ◆ Strategic focus
- ◆ Product development
- ◆ Financials
- ◆ Outlook and Summary

## Our goals for next 12 months include:

- ◆ Assessment of capital need and securing of financing for the implementation of a product development and disease focused strategy
- ◆ Patient recruitment for clinical trials in the U.S. to prepare for FDA approval of MCItect®
- ◆ CE marking of new ADtect® and MCItect® in Europe
- ◆ Entering into additional third party collaborative agreements related to Alzheimer's disease
- ◆ Presentation of results from the ongoing clinical study with GE Healthcare to identify gene signatures and an IVD test correlating with brain PET imaging

# DiA GENic

DiA GENic ASA

Grenseveien 92, N-0663 Oslo, Norway

Tel +47 23 24 89 50

Mail: [diagenic@diagenic.com](mailto:diagenic@diagenic.com)

[www.diagenic.com](http://www.diagenic.com)

