CONFIDENTIAL



Where growth comes to rest

BIMINI BIOTECH - PITCH DECK

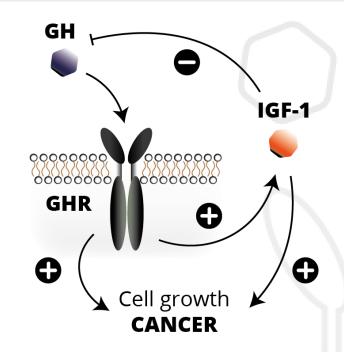


TRIPLE NEGATIVE BREAST CANCER (TNBC) - A MAJOR UNMET NEED



- Therapeutic intervention is very difficult as molecular targets are absent.
- Over 125,000 cases every year globally.
- TNBC is an aggressive form of breast cancer with poor prognosis (40% relapse rate).
- TNBC affects younger women (40-50 years).

Growth hormone (GH) and **Insulin-like growth factor 1 (IGF-1)** axis is a major
driver of TNBC



GHR is a promising molecular target for cancer therapeutics – however, current approaches have failed

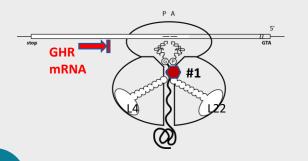
Expert Rev. Endocrinol. Metab. 6, 2011, 71–84

OUR APPROACH - A NOVEL MODE OF ACTION



INHIBITION OF GHR SYNTHESIS

- BIMINI identified a small molecule that binds in the tunnel of ribosomes
- mRNA levels not affected
- It binds to a C-terminal specific amino acid sequence of the GHR and stalls translation (conserved sequence)
- GHR chain is degraded → preventing synthesis of GHR



BIMINI's approach effectively mimics nature as seen in Laron Syndrome

LARON SYNDROME (Dwarfism) OCCORDONO OCCORD

<u>Sci Transl Med 3, 2011, 70ra13</u>

✓ Confirmatory ribosomal sequencing experiments ongoing (Ohmx.Bio).



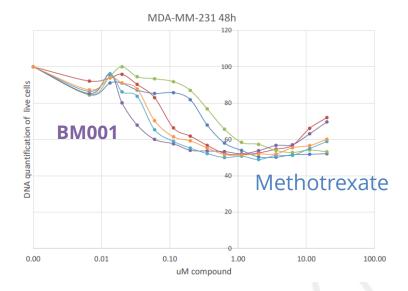
PROOF-OF-CONCEPT OF OUR LEAD COMPOUND

HIT-TO-LEAD SELECTION

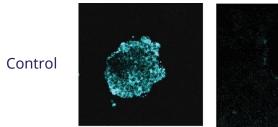
 >39k compounds screened in primary cellbased assay (novel in vitro cell assays)



 Small molecule BM001 selected as prime candidate (IC50: 30nM; mr=334) ✓ BIMINI'S BM001 shows decrease in cell viability of TNBC cells. Further in vitro experiments ongoing (Oncoleads).



BIMINI'S BM001 inhibits GHR synthesis in organoids derived from dog breast cancer cells





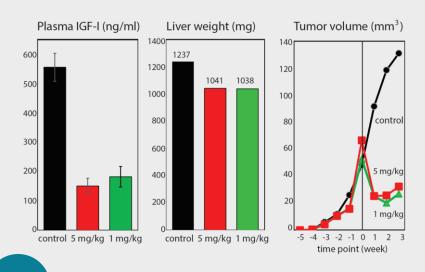
BM001

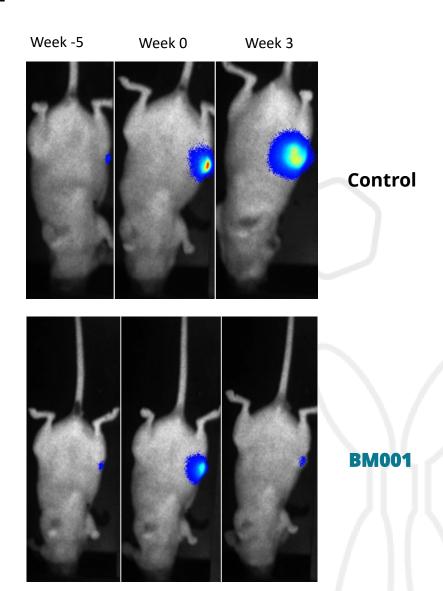


PRE-CLINICAL VALIDATION - IN VIVO EFFICACY

SAFETY AND EFFICACY

- Tumour suppression in a xenografted TNBC mouse model
- Reduction in serum IGF-1 in mouse models
- Excellent tolerance after 3 weeks of high dosing (1-5mg/kg)



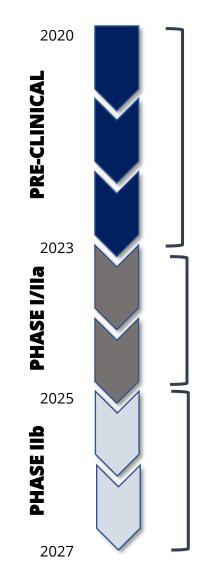




DEVELOPMENT AND FINANCIAL ROADMAP

BUSINESS STRATEGY

- IP has been filed BIMINI exclusive worldwide license
- Out-license compound to large pharma partner after phase I/IIa or after codevelopment in phase IIb
- **Expand portfolio** for other indications
- Total funding requirements:
 - non-dilutive: €4M
 - VC/Seed financing: €5M
- Current finance round:
 - Seed-investment: €1-2M towards IND/CTA filing
- Funding obtained
 - Winner Venture challenge (€25k)
 - NWO Take-off-1 (€40k)



€4M

- Formulation (API)
- GLP toxicology
- Pre-clinical efficacy
- ADME PK/PD
- Process chemistry
- GMP
- CMC

€5N

- Dose-escalation
- Safety
- Initial efficacy
- ~50 patients

€25M

(co-development)

- Efficacy
- Safety
- 250 patients

COMPETITION



COMPETITORS IN TNBC

- Neo-adjuvants, PARP inhibitors and immune checkpoint inhibitors (PD-1).
- Main disadvantage poor efficacy (response rates 30-50%) and major side effects

COMPETITORS TARGETING GHR

- Core focus on anti-GHR antibodies, antisense oligonucleotides, GH antagonists and blocking GH secretion
- Main disadvantage no reduction in serum IGF-1 levels; only block endocrine and not autocrine; difficult delivery; not targeted at TNBC.





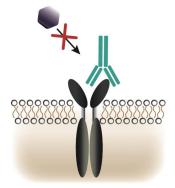


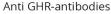


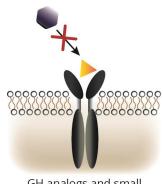




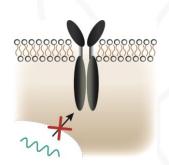
BMC Medicine 17, 2019, 90







GH analogs and small molecules



Antisense oligonucleotides







BIMINI'S TEAM



A BALANCED MIX OF SCIENCE AND BUSINESS

- A combination of scientific KOLs, experienced business experts and young entrepreneurs.
- A strong advisory board expertise in medicinal chemistry, preclinical drug development and out-licensing
- Aim to bring in more clinical, regulatory and business expertise on-board.

STRATEGIC PARTNERS



MANAGEMENT TEAM



DIGVIJAY GAHTORY, PhDCEO



MAURITS VAN DEN NIEUWBOER, PhD



PROF. GER STROUSCSO

ADVISORY BOARD



HENK VIËTOR, MD, PhD

Business advisor



PROF. MADELON
MAURICE

Scientific advisor

JOHAN TIJHUIS, PhD – CEO (SPECS)

PETER MAAS – Med. Chem expert (SPECS)

JUDITH SMIT, PhD – Financing expert

(Nebula Participations)

JAN MOL, IR, PhD – Pre-clinical expert (UU)

CARINE V/D BRINK - Legal expert





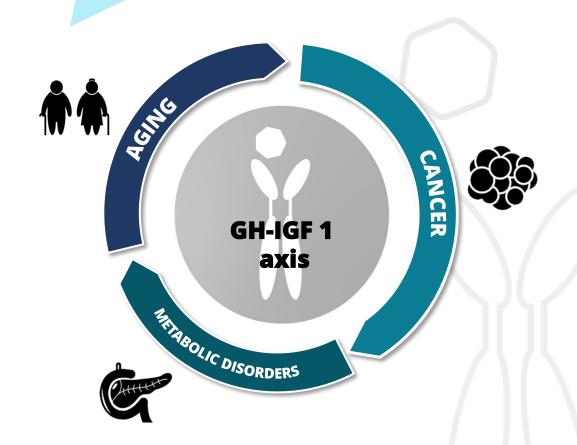
LEADING INNOVATOR IN GHR BASED THERAPEUTICS

- TNBC as a showcase and go to market for lead compound BM001
- Future applications in other cancers

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- Development of a drug discovery platform around GH/IGF-1 axis for other disease types. For example:
- Ageing lower GH/IGF-1 results in longevity (centenarians)
- Metabolic disorders lower IGF-1 results in higher insulin sensitivity

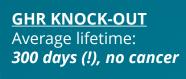
"At BIMINI, we aim to become the leading innovator in GHR based therapeutics - for a longer and healthier life"





"WHAT HAPPENS IF GHR IS ABSENT?"







175

150

LARON DWARFS
No cancer, no
diabetes







THANK YOU

For more information contact:

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