



Sea4Us

Corporate Presentation

Discovering new marine leads for unmet clinical needs

Susana Antunes

PMO & Marketing Manager

Susana.antunes@sea4us.pt



Our Mission

The main goal of Sea4Us is the **research, development and innovation** of bioactive marine substances and molecules **for unmet clinical needs**



Marine biology

Defense against predators



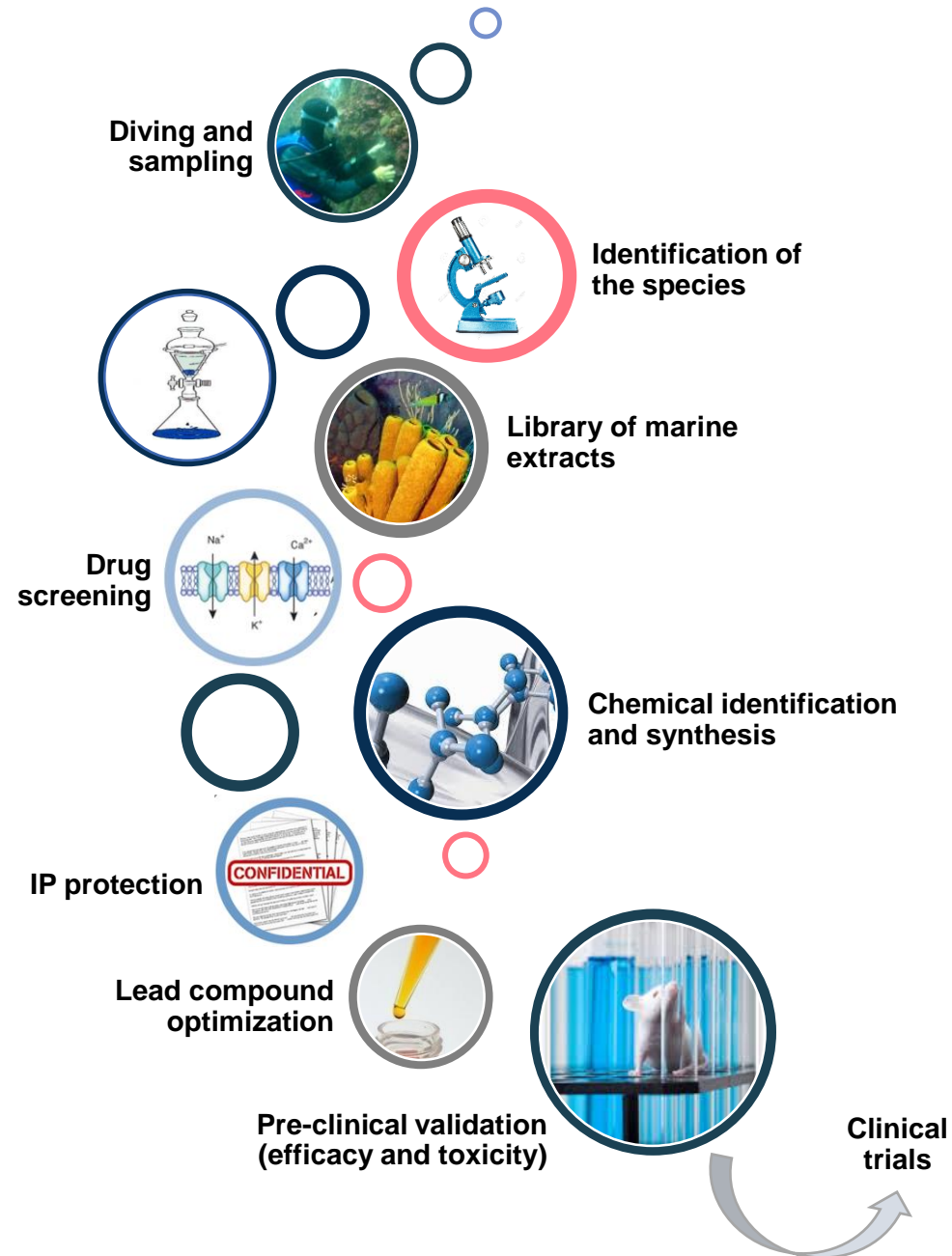
Marine toxins that
act on ion channels

Ion channels

Ionic channels
involved in pathologies



Therapeutic targets







Sea4Us



Sea4Us





Sea4Us



Sea4Us











Sea4Us





Sea4Us

Marine molecule for chronic pain therapy



21% of the world’s population suffer from chronic pain

- Arthritis
- Low-back pain
- Cancer
- Shingles
- Limb trauma
- Fibromyalgia
- Migraine
- Diabetes
- (...)

Low quality of life

No adequate treatment

Low efficacy

Adverse side effects

Addiction

Economical burden for society *

Opioid Epidemics

In 2016



27 million people suffered from opioid use disorders and addiction



118,000 people died as a result of opioid use disorders.

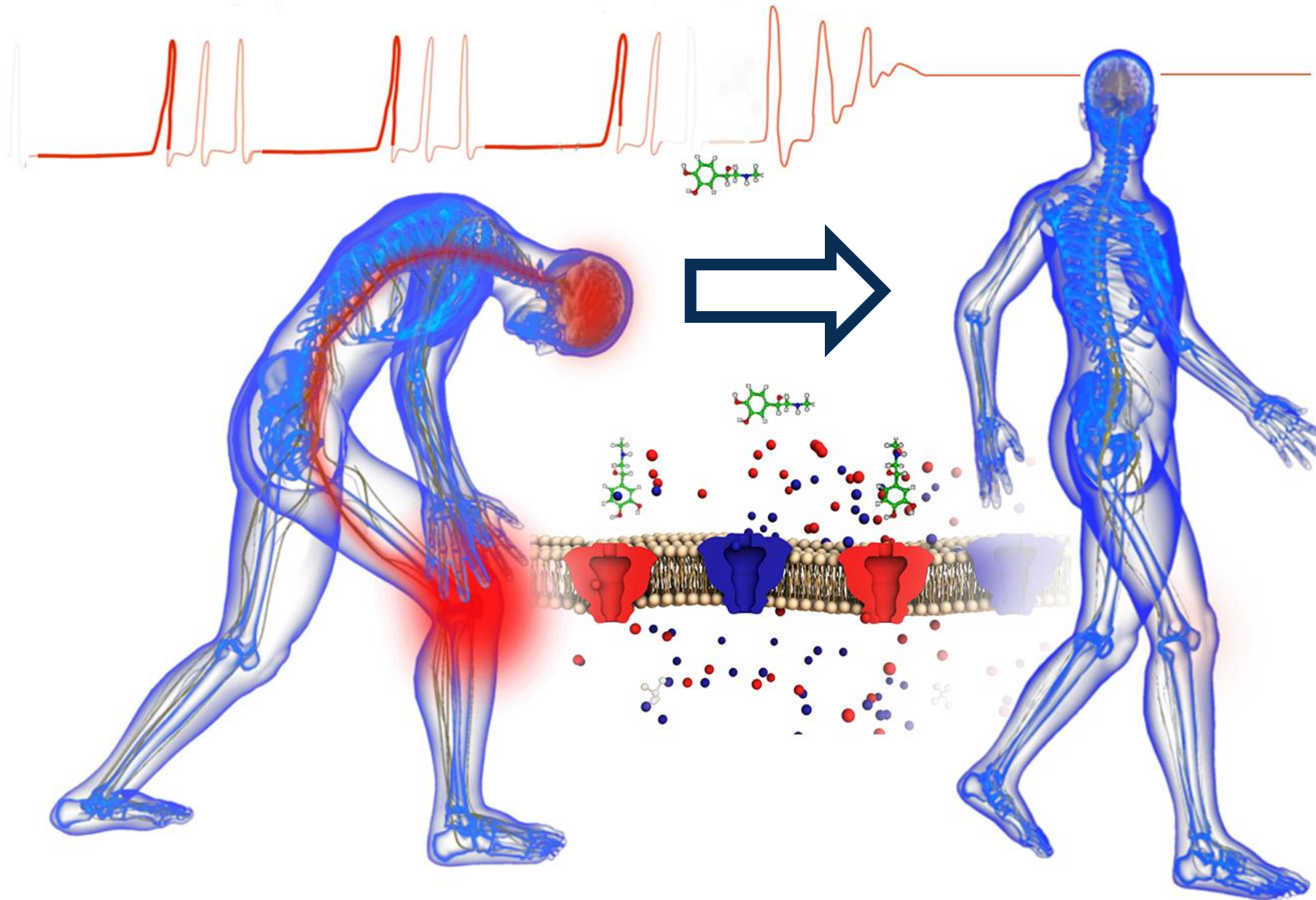
In 2014



In USA every ~ 15 minutes, a baby is born suffering from opioid withdrawal.

*Gaskin DJ, Richard P (2012) J Pain. 13(8):715-724.

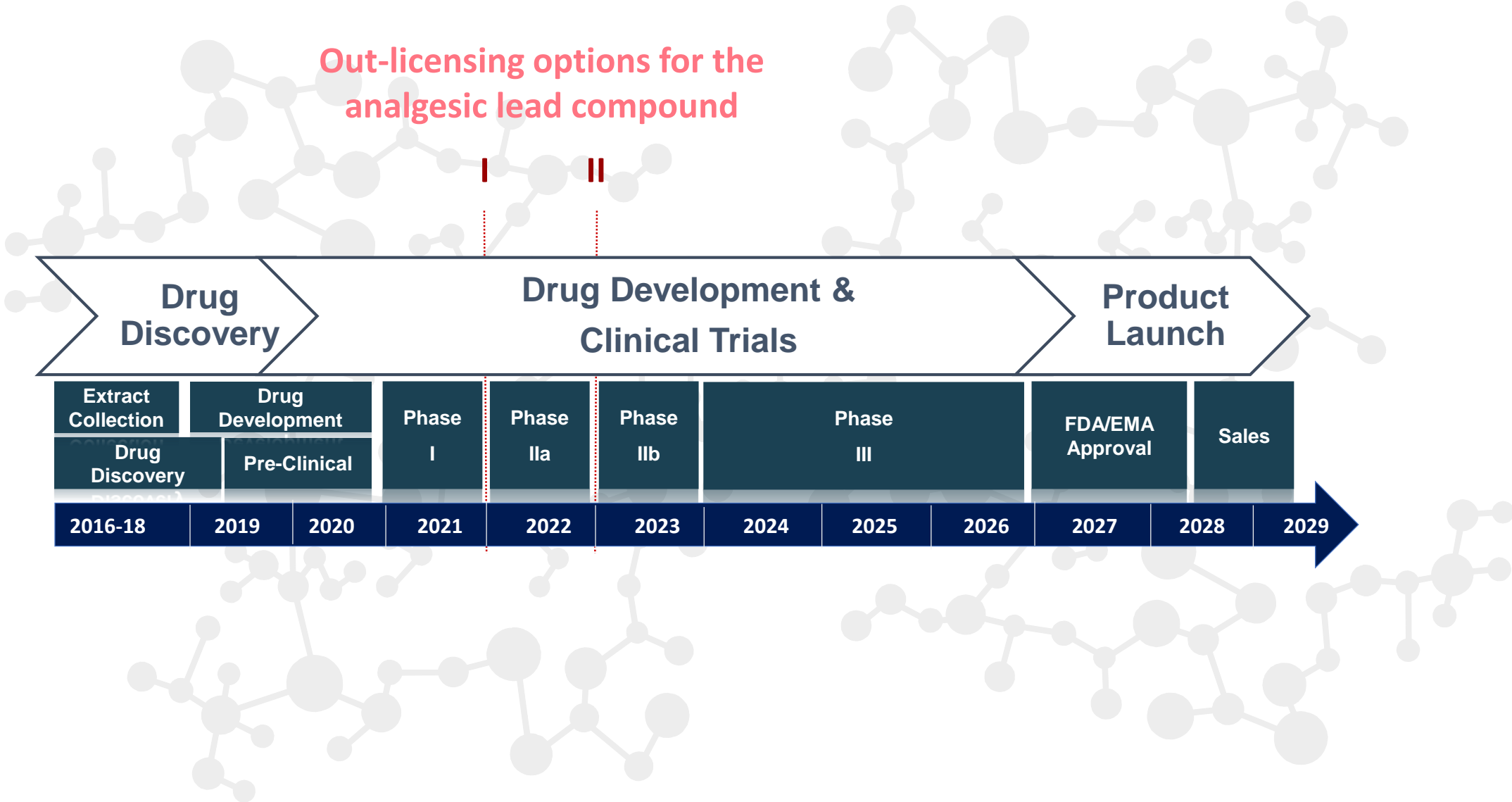
Target product profile



Our analgesic acts on key potassium channels, abolishing pain-induced neuronal hyperexcitability, leading to pain mitigation.

- High efficacy
- Reduced side-effects
- No addiction / No habituation
- Easy administration

Out-licensing options for the analgesic lead compound



Company Overview



Origins: Founded in 2013 as a spin-off of NOVA Medical School



Location: Portugal • Physiology Lab: Lisbon • Marine Lab: Sagres



Stage: Preclinical development of multiple pipeline products; analgesic for chronic pain



Financials: Raised 1,5 Million Euros of private and public money



Funding Objective for the next three years: Raise €10M to fund completion of preclinical IND-enabling studies and phase I of clinical trials.

Sea4Us - Biotecnologia e Recursos Marinhos, Lda

HQ/Marine lab: Rua do Poente S/N, 8650-378 Sagres, Portugal

Physiology lab: NOVA Medical School, Campo Mártires da Pátria, 130, 1169-056 Lisbon, Portugal

<http://sea4us.pt> | info@sea4us.pt



Discovering new marine leads for unmet clinical needs

Cofunded by:

