



EVOTEC AND BAYER PARTNER TO FIGHT KIDNEY DISEASES

Tremendous medical need with limited treatment options

Moving forward to become a global leader in nephrology

Mission

- ▶ Goal of developing multiple clinical candidates for the treatment of kidney diseases within five years
- ▶ Both parties will contribute innovative drug targets and a comprehensive set of high-quality technology platforms

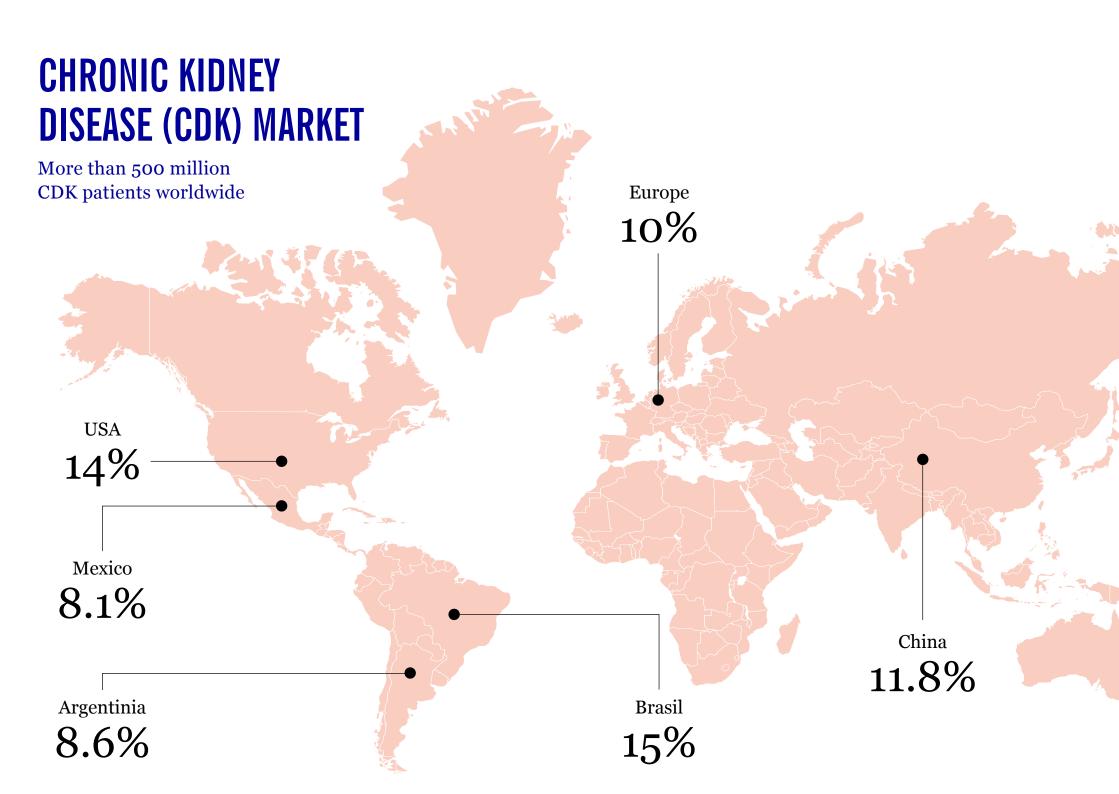
Background

- ▶ No disease-modifying drug available
- ► There are not nearly enough kidneys for all the transplants that are needed in patients

Agreement with Bayer

- ▶ Minimum of €14 m including research payments and an undisclosed licence fee
- ▶ Potential pre-clinical, clinical and sales milestone payments of potentially over €300 m; tiered royalties of up to a low double-digit percentage of net sales
- ► Integrated collaboration with substantial efforts from both partners
- ▶ Strategic five-year collaboration





DID YOU KNOW?

FACTS ABOUT THE KIDNEY



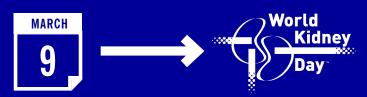


THE TWO MAIN CAUSES OF CHRONIC KIDNEY DISEASE ARE **DIABETES** AND **HIGH BLOOD PRESSURE**



EACH KIDNEY HAS ROUGHLY

1.25 MILLION NEPHRONS



MARCH 9 IS WORLD KIDNEY DAY
INFORMATION ON WORLDKIDNEYDAY.ORG

Global facts about chronic kidney disease (CKD)

- ▶ 10% of the population worldwide is affected by CKD
- ▶ According the 2013 Global Burden of Disease study, **CKD** was **ranked 27**th in the list of causes of total number of deaths worldwide in 1990, but rose to **13th in 2013.** According to the US CDC, kidney disease is the 9th leading cause of death in the US.
- ▶ Over 2 million people worldwide currently receive treatment with dialysis or a kidney transplant to stay alive, yet this number may only represent 10% of people who actually need treatment to live.

Huge economic burden

- ▶ In the US, treatment of CKD is likely to exceed **\$48 billion** per year.
- ▶ In Australia, the cost of treating all current and new cases of ESKD to 2020 is estimated at \$12 billion. The annual cost of dialysis per patient per year varies between 50,000 and 80,000 AUD depending on the type of treatment.
- ▶ In England, according to a recent report published by NHS Kidney Care, chronic kidney disease costs more than breast, lung, colon and skin cancer combined.

CHRONIC KIDNEY DISEASE (CKD) END STAGE RENAL DISEASE (ESRD) ACUTE KIDNEY INJURY (AKI)

CKD is a devastating disease with limited treatment options driven by diabetes and hypertension

PREVALENCE OF DIABETES

29 million patients in the USA

422 million patients worldwide

PREVALANCE HYPERTENSION

70 million

patients in the USA

According to WHO nearly **40%** of adults aged **25 and over** had **raised blood pressure** in 2008

More than
35%
of adults with
diabetes suffer from CKD

Every year, hypertension causes more than

25.000

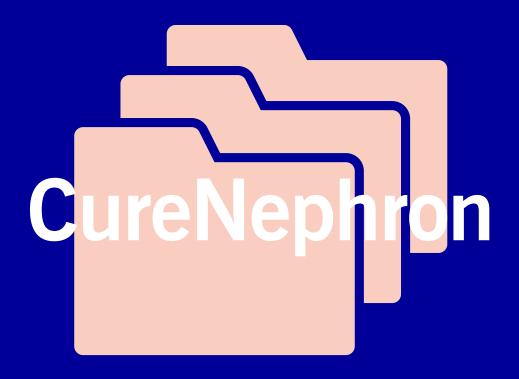
new cases of kidney failure in the USA

Early stage CKD usually goes undiagnosed as patients do not feel any symptoms. CKD almost always develops into ESRD, which necessitates renal replacement therapy. Survival rates for ESRD are very poor, about 50% of patients starting on dialysis today will be dead by the end of 3 years!

CKD/ESRD/AKI — FATAL DISEASES HAVE THREE THINGS IN COMMON:

- NO CURE OR DISEASE MODIFYING DRUGS
- HUGE ECONOMIC BURDEN
- DRUGS WHICH FIGHT THE CAUSES ARE URGENTLY NEEDED

In end-stage kidney disease, kidney functions can be replaced only by dialysis or by kidney transplantation. The planning for dialysis and transplantation is usually started in Stage 4 of chronic kidney disease.



A broad portfolio of assets and possibilities and multiple approaches

The initiative was initiated in January 2012 with Harvard and Brigham and Women's Hospital, aimed at discovering and developing new biomarkers and treatments in the field of kidney disease.