



ParaMedir

Cutting-edge biomonitoring technology at the bedside!

Biosensor-based devices for personalized healthcare

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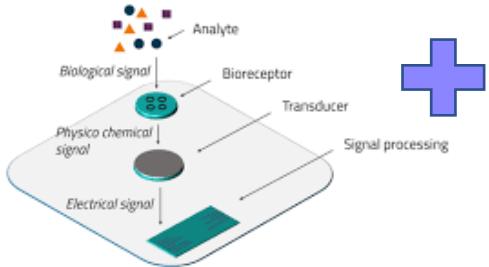
jasper.dijkstra@paramedir.nl

Who is ParaMedir™?

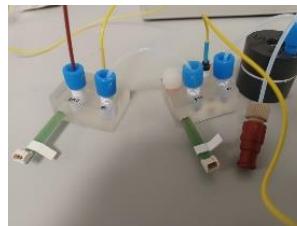
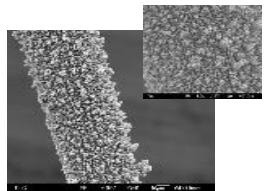
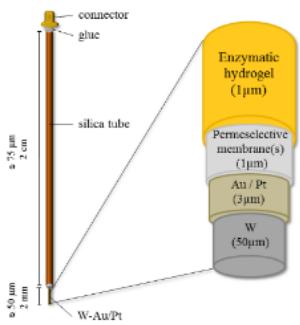
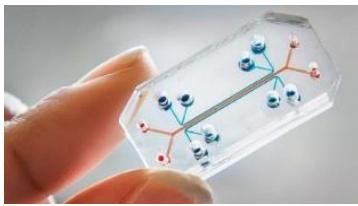


Technology

Biosensors

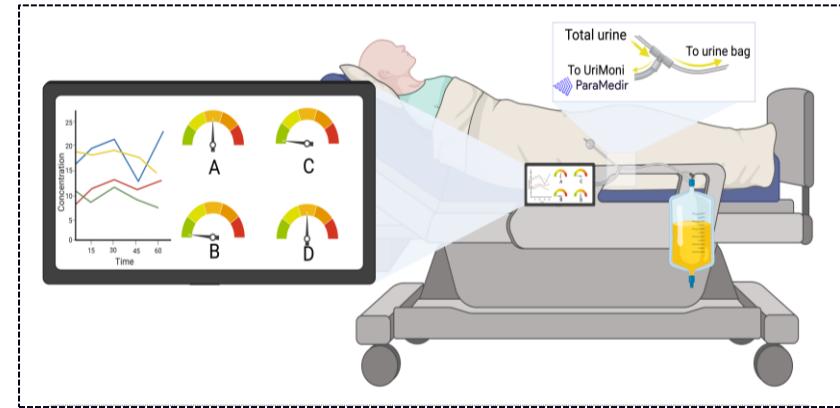


Microfluidics



Bedside
monitoring

UriMoni™



Real-Time Monitoring
High Selectivity
Low sample volume
Multiple biomarkers

Who is ParaMedir™?



The Team



Ph.D - (*In vivo*) biosensor Development (15 yrs)
Entrepeneurship (RuG), Finances (VU Ams)
Business Dev, 10 yrs Project Mgt., 15 yrs

CEO – Carlos Cordeiro, Ph.D



Ph.D – Microfluidics (15 Yrs), Marie Curie Fellow
15 yrs Project Management
5 yrs Business Development

CTO – Pieter Oomen , Ph.D



Life Science / MedTech Management - 10yrs
Multiple successful product introductions
15 yrs Business Development

CBO – Jasper Dijkstra M.Sc.

Management Team

Operational Team

R&D/Product Development

Software Development

Regulatory Affairs

Advisory Board

Key Opinion Leaders:

- AKI / ICU
- Cardiology

Business Strategy

- Life Sciences/Medical Devices

Acute Kidney Injury

>80 million AKI patients!

1/5 hospitalized patients

Growing rapidly

- High mortality rate: up to 70%
- ICU admissions: 60% of all IC beds
- Post-discharge burden
 - (Hemo)dialysis
 - Kidney transplant



Direct Costs: **8000 billion €/year**

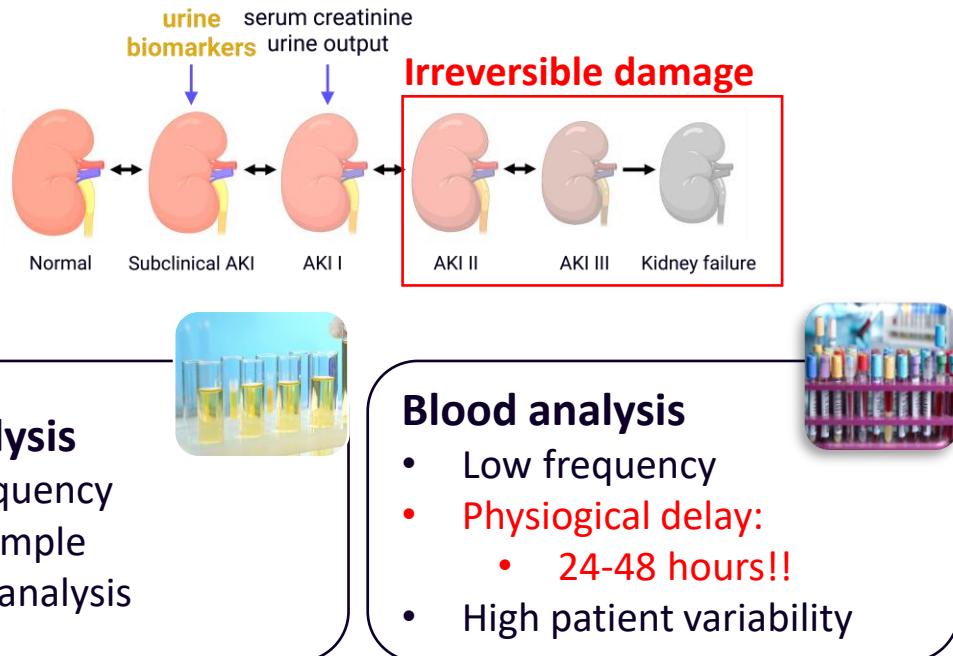
Indirect Costs:

- Hemodialysis
- Kidney Transplant

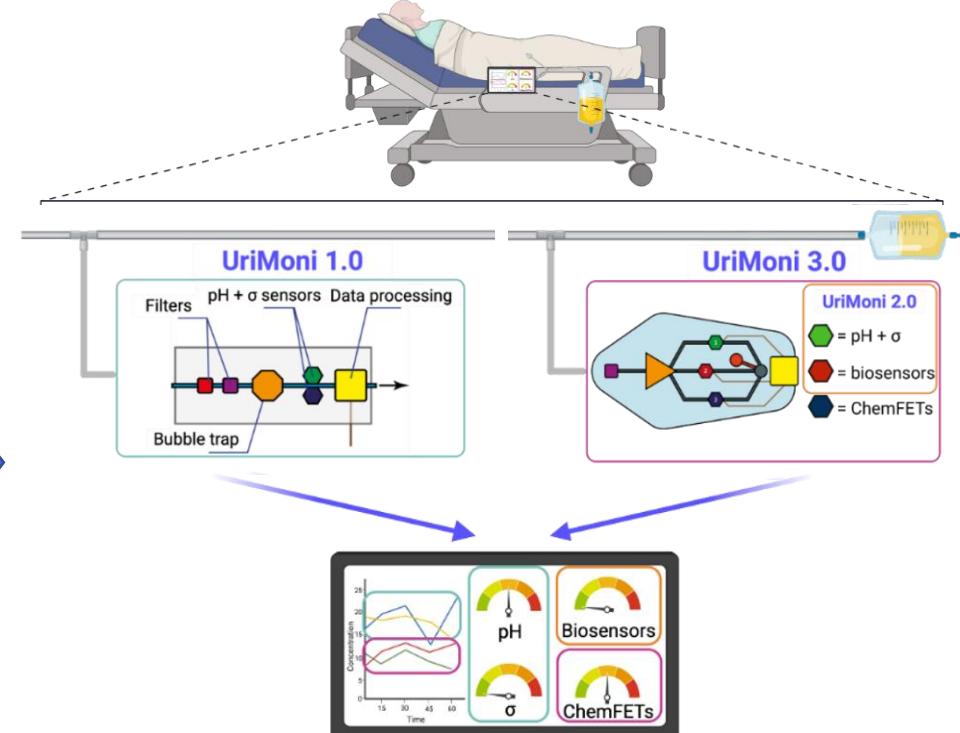


The opportunity

Diagnosis - Monitoring



Bedside monitoring



Underestimation of AKI severity

Delayed/absent diagnosis & intervention

High workload for nursing staff

Correct estimation of AKI severity

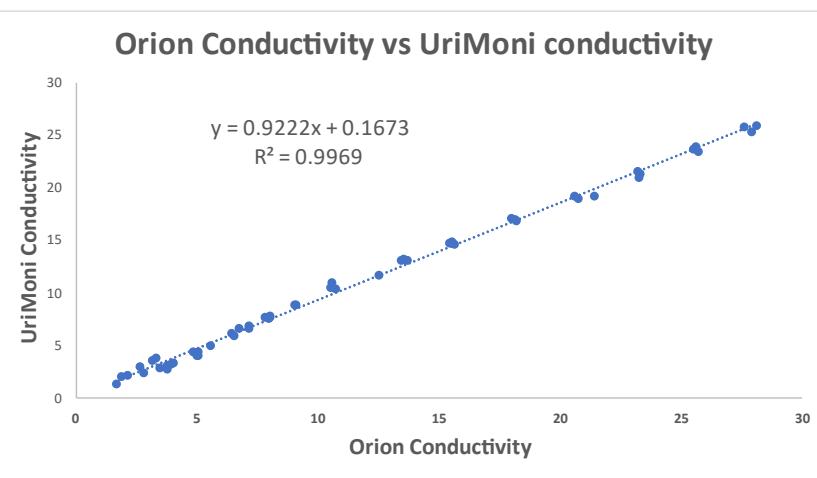
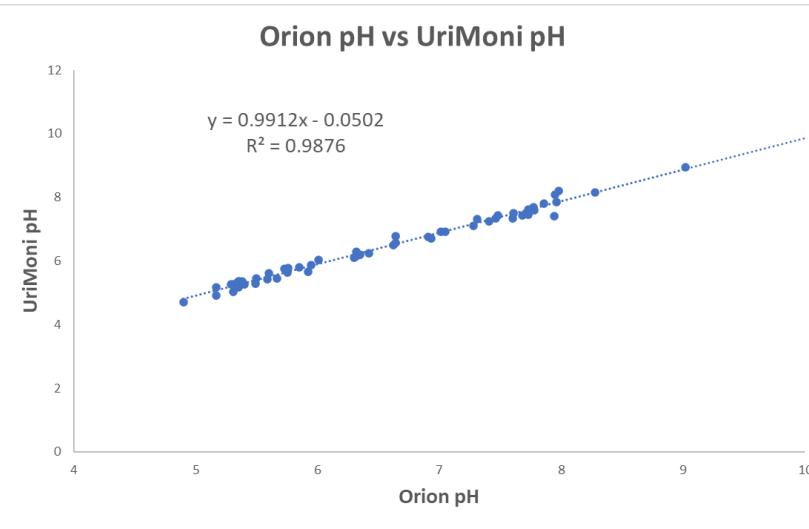
Early diagnosis & effective intervention

Reduction of workload for nursing staff

Bioanalytical Validation



UriMoni™ prototype

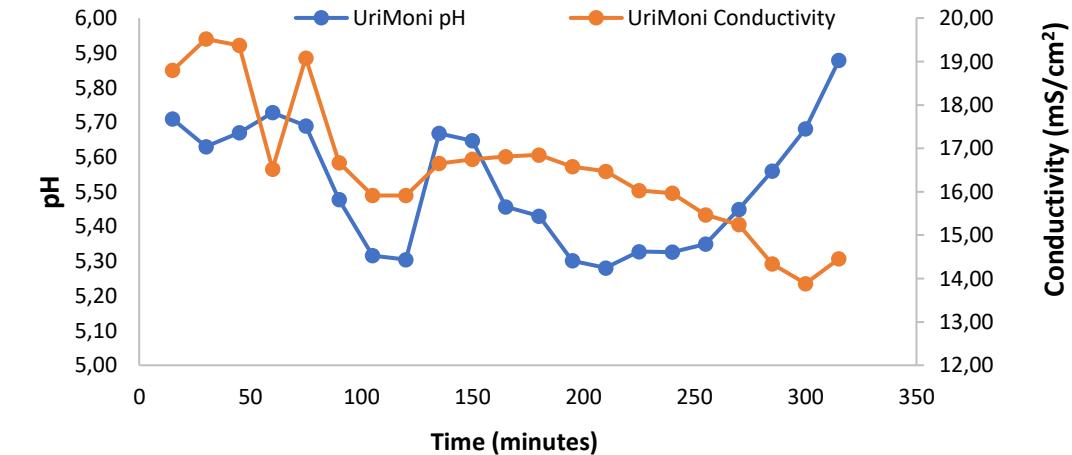


Excellent Correlation
with Gold Standard

Clinical Validation

(Pre-)clinical trials

- ICU: >200 patients (ca. 500 samples)
- AHF: >60 patients (ca 200 samples)

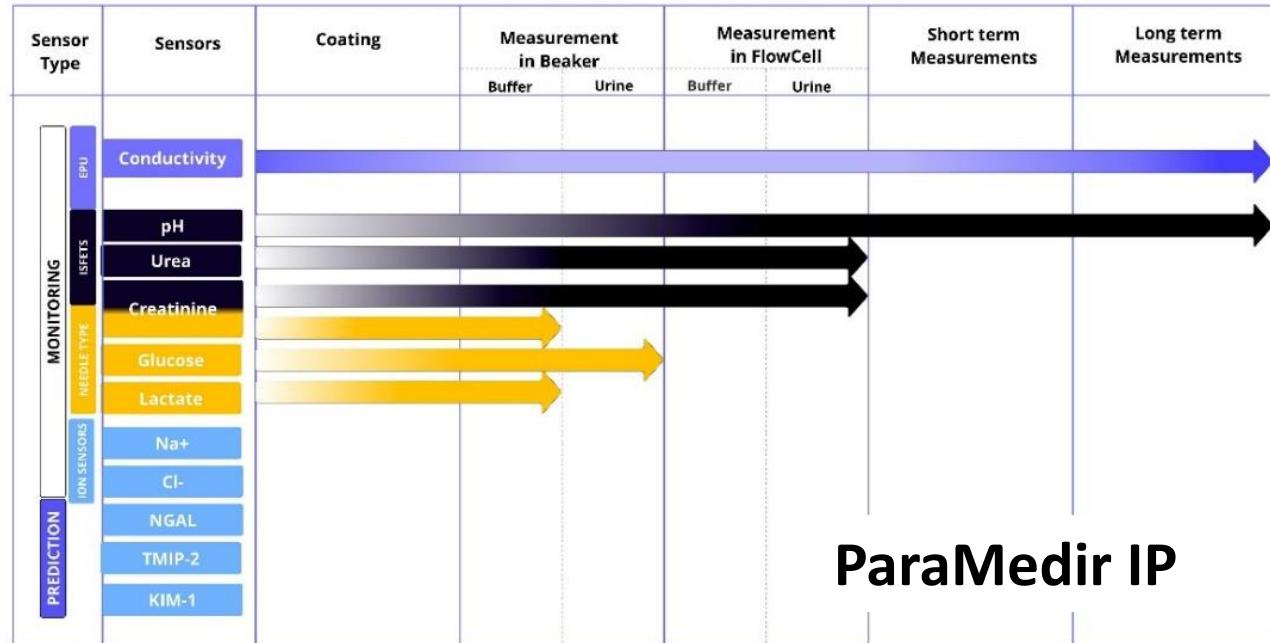


Real-Time continuous and
simultaneous monitoring

BioSensor Development



RESEARCH AND DEVELOPMENT

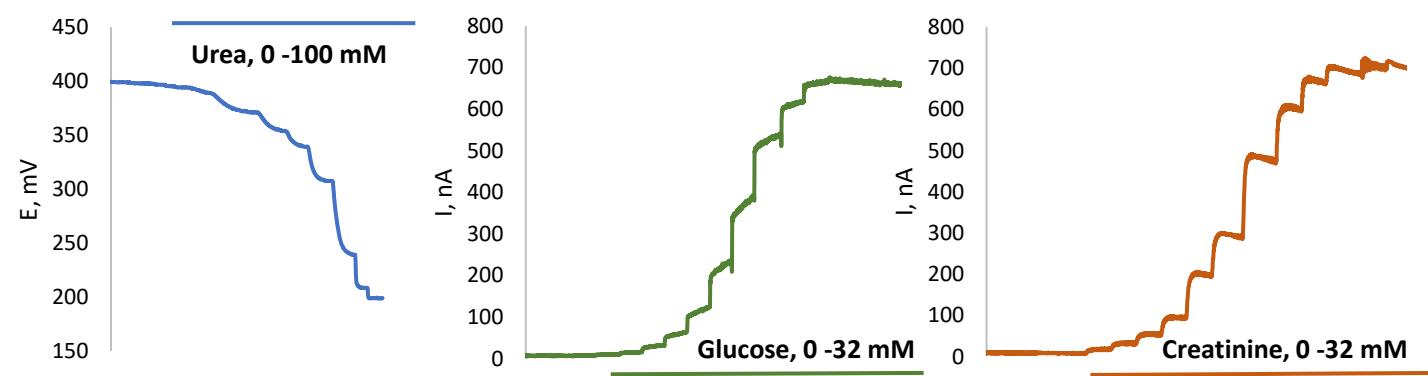


Bioanalytical Validation

Urea

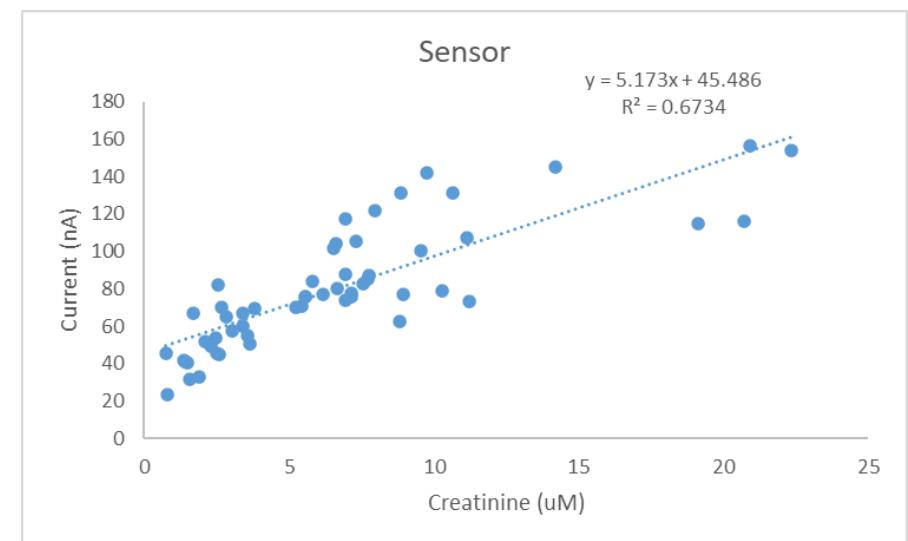
Glucose

Creatinine



Clinical Validation

Creatinine



High Correlation with Gold Standard

Proposition

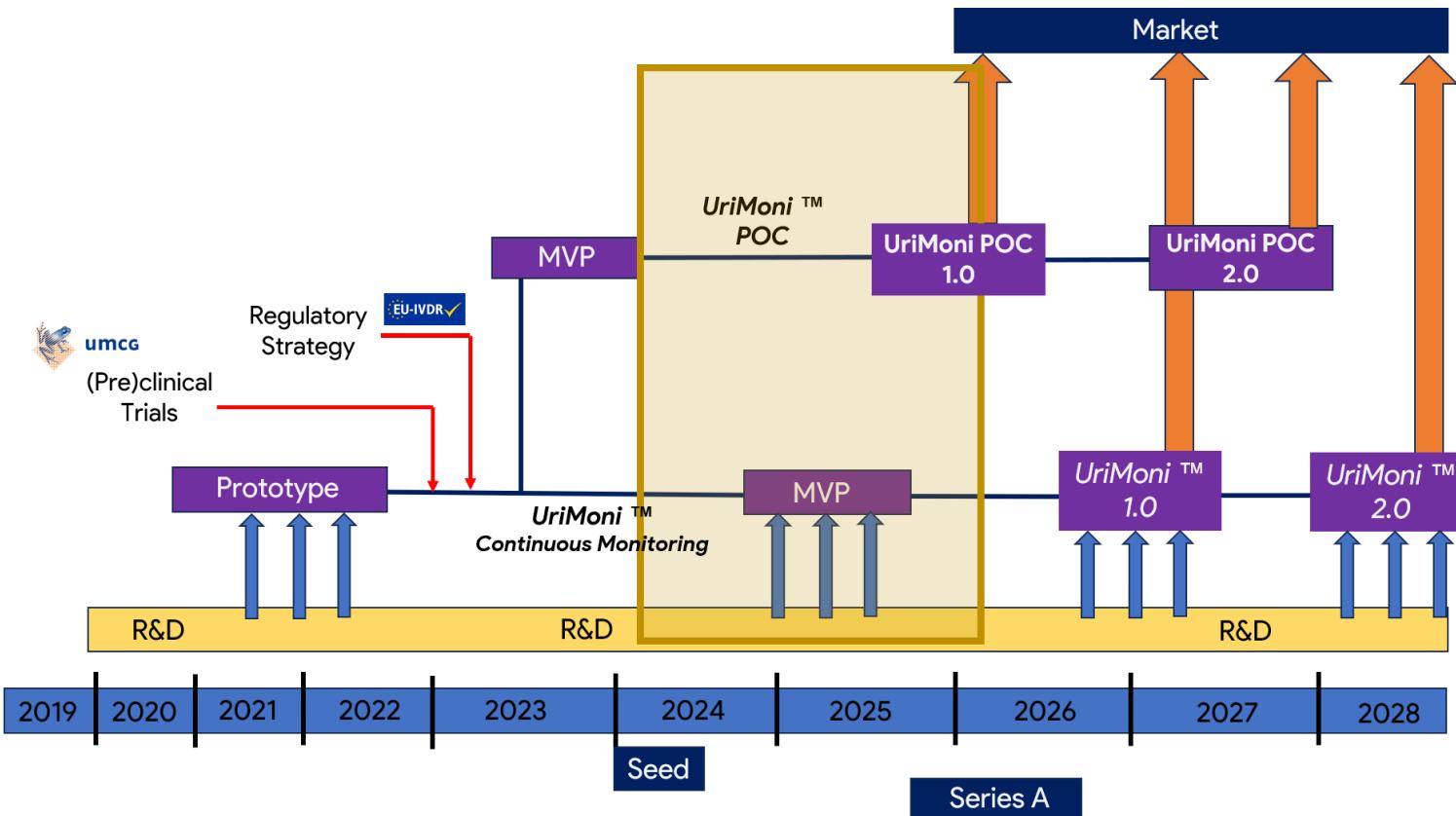
Funding

Non-dilutive
Regional/National grants – ca 1 Mln€

Dilutive
Angel investor – 200k€
Management team – > 0.5 Mln€

Required
2 Mln €

- UriMoni™ 1.0
 - POC
 - Certified (IVDR)
 - Continuous Monitoring
 - MVP (clinically validated)





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Thank you

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