# PRECEPT – PRostatE CancEr Prognosis and Treatment

VICTORIAN COMPREHENSIVE CANCER CENTRE
Overcoming cancer together

*Supported by*

VICTORIA State Government

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*Victorian Comprehensive Cancer Centre partners*

Peter Mac
Peter MacCallum Cancer Centre
Victoria Australia

The Royal Melbourne Hospital

THE UNIVERSITY OF MELBOURNE

the women's
the royal women's hospital

Walter+Eliza Hall
Institute of Medical Research
DISCOVERIES FOR HUMANITY

The Royal Children's Hospital Melbourne

Western Health

ST VINCENT'S HOSPITAL MELBOURNE

Austin HEALTH

murdoch children's research institute

Australian Prostate Centre
Together for men's health
apc

# A team with the necessary expertise….

| Role | Name | Level | Site | Specialty |
|---|---|---|---|---|
| PI | Niall Corcoran | MCR | VCCC, VIC | Urology |
| CI | Paul Boutros | SR | UCLA, US | Genomics |
| CI | Rob Bristow | SR | UMAN, UK | RadOnc |
| CI | Maggie Centenera | MCR | SAHMRI, SA | Tumour Biology |
| CI | Ian Collins | MCR | VCCC, VIC | MedOnc |
| CI | Ros Eeles | SR | ICR, UK | ClinOnc |
| CI | Vanessa Hayes | SR | Garvan, NSW | Genomics |
| CI | Chris Hovens | SR | UOM, VIC | Tumour Biology |
| CI | Maarten Ijzerman | SR | UOM, VIC | Health Services |
| CI | Tony Papenfuss | SR | WEHI, VIC | Bio-informatics |
| CI | Belinda Parker | MCR | LaTrobe, VIC | Immuno-oncology |

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| CI | Daniel Park | MCR | UOM, VIC | Bio-informatics |
| CI | Bernie Pope | MCR | UOM, VIC | Bio-informatics |
| CI | Chris Sweeney | SR | DFCC, USA | MedOnc |
| CI | Ben Tran | MCR | PMCI, VIC | MedOnc |
| AI | Anis Hamid | ECR | UOM, VIC | MedOnc |
| AI | Ben Thomas | ECR | RMH, VIC | Urology |
| AI | Edmond Kwan | ECR | MU, VIC | MedOnc |
| RTM | Tony Costello | SR | RMH, VIC | Urology |
| RTM | Stefan Heinze | SR | RMH, VIC | Radiology |
| RTM | Joseph Ischia | MCR | Austin, VIC | Urology |
| RTM | Phillip Stricker | SR | StV, NSW | Urology |

# A team with the necessary expertise that already works together

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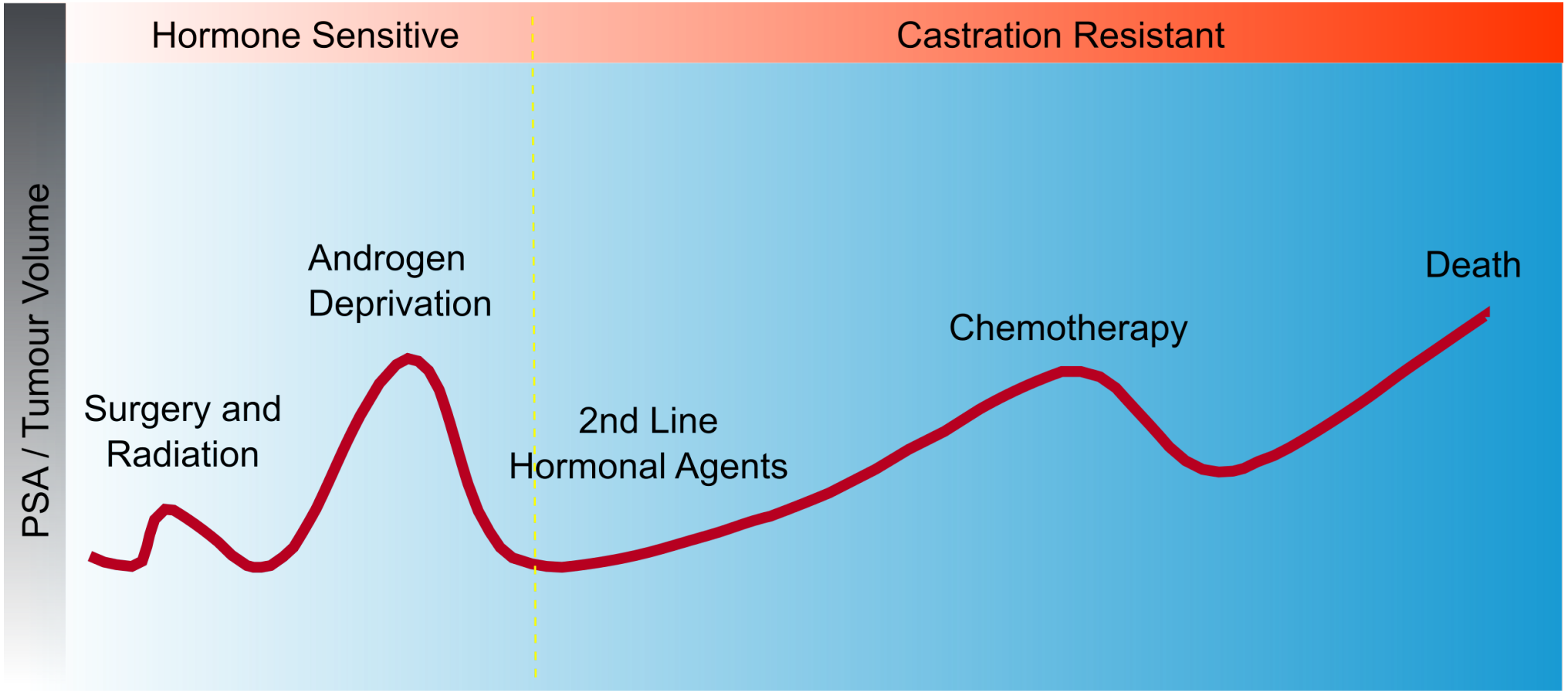
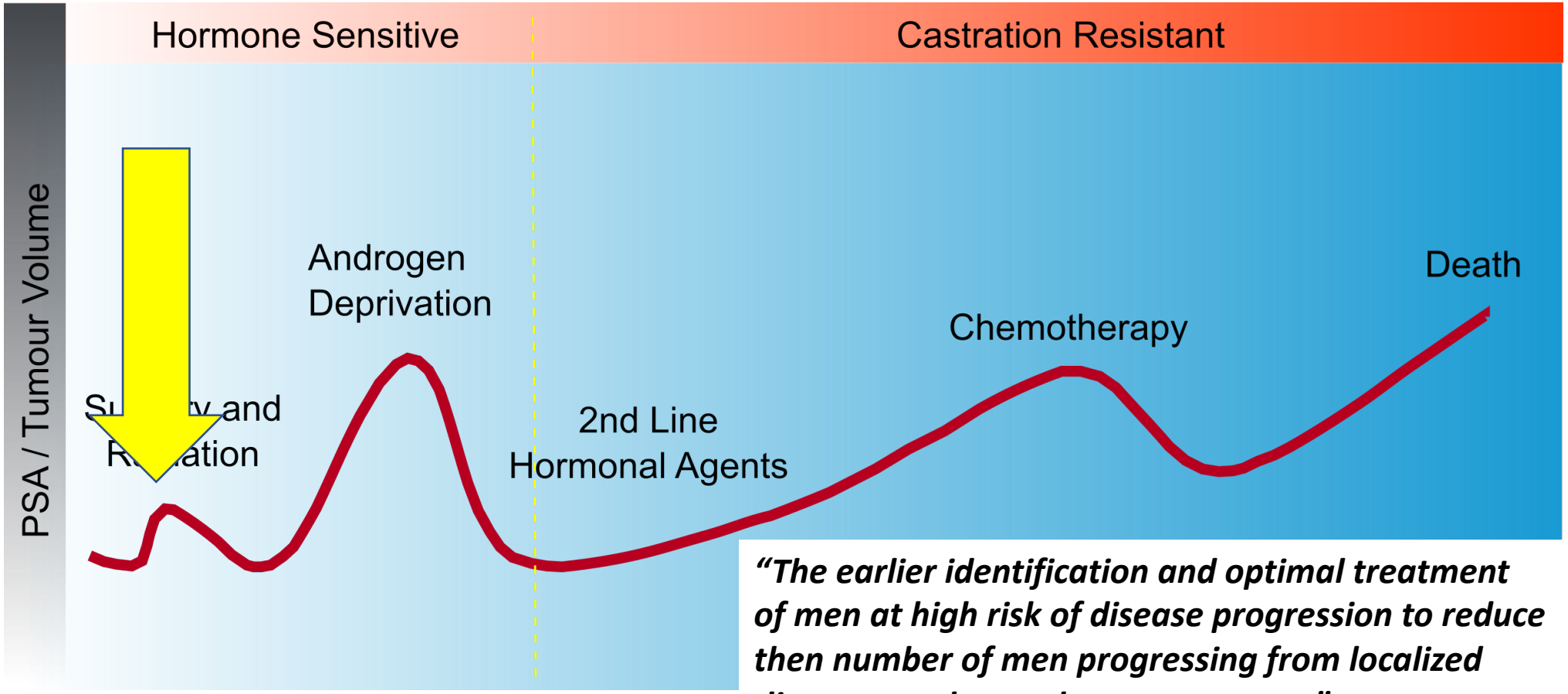
| RTM | Stefan Heinze | SR | | |
| RTM | Joseph Ischia | MCR | | |
| RTM | Phillip Stricker | SR | | |

# Natural History of Prostate Cancer



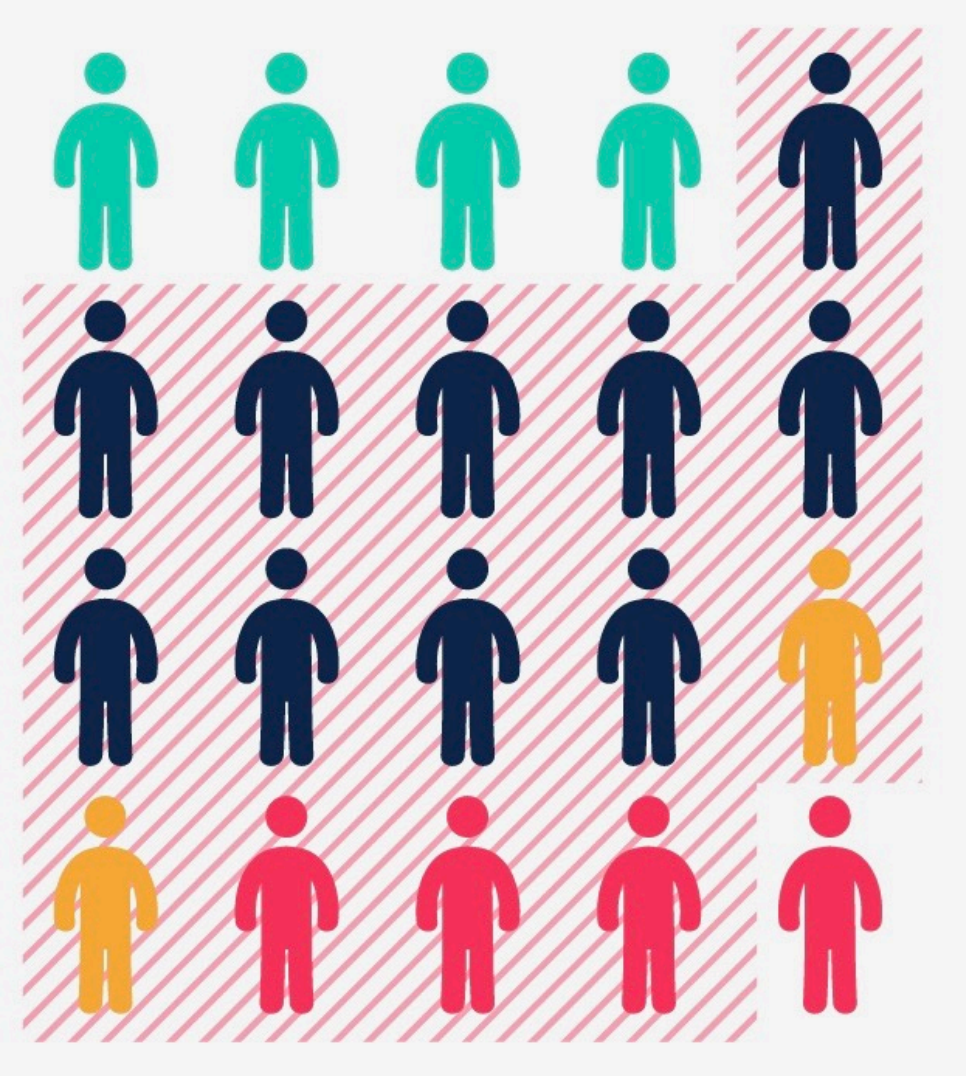
# Natural History of Prostate Cancer

Q3

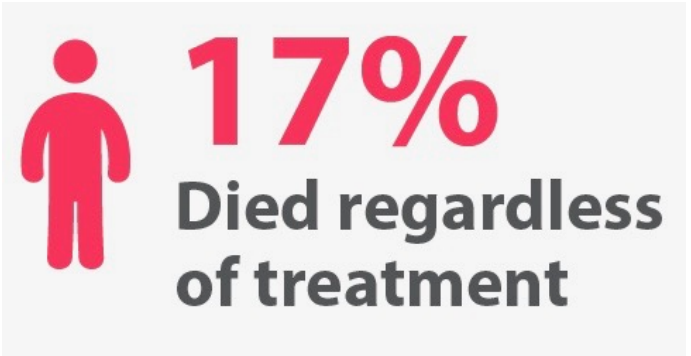



***"The earlier identification and optimal treatment of men at high risk of disease progression to reduce then number of men progressing from localized disease to advanced prostate cancer"***

# Current Practice in Australia



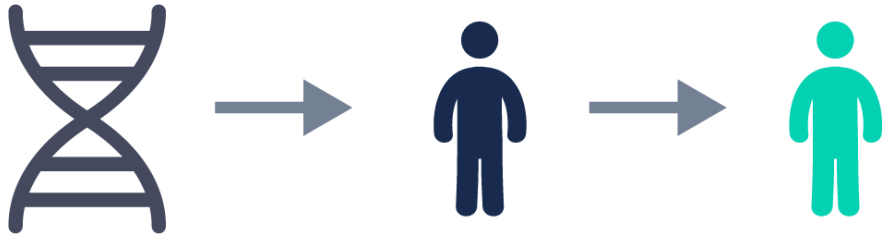
Prostate Cancer-Specific Mortality


PCOR-Vic
SPCG-4

# Research Program

Aim 1

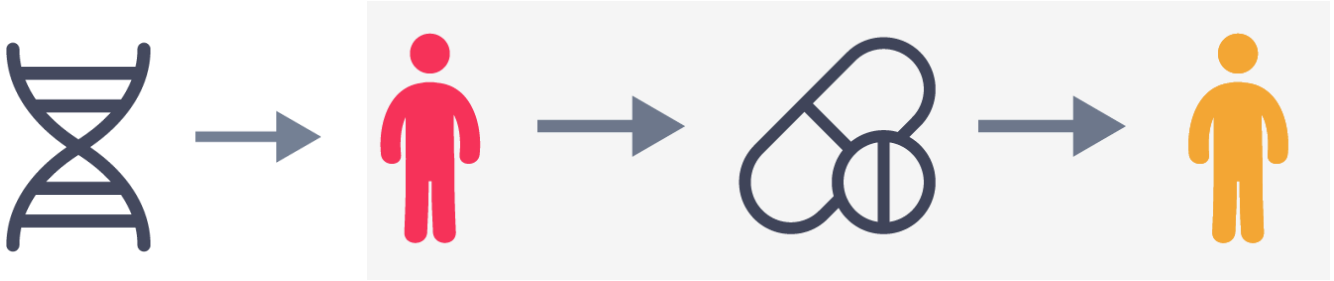


Minimize Unnecessary Treatment

Aim 2

Maximize Treatment Success

Aim 3



Better Treatment Selection

# Aim 1: Develop a Prognostic Test

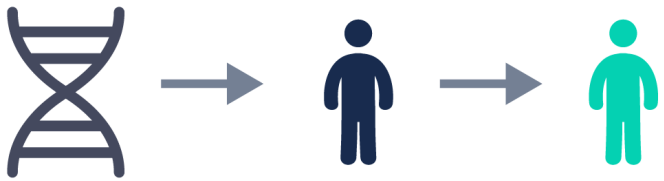
<u>Research Plan</u>

1.1: Tissue based (multi-dimensional) ‘omics’ test

1.2: Plasma based test

1.3: Decision making analysis

*Consumer driven*



Minimize Unnecessary Treatment

# Aim 2: New Treatments for High-Risk Disease

## Research Plan

### 2.1: **ADEPT**:

**A**ndrogen **D**eprivation and **E**rdafitinib pre-**P**rostatectomy **T**rial

### 2.2: **IMPROvE**

**I**mmune **M**obilisation for **PRO**state Canc**E**r

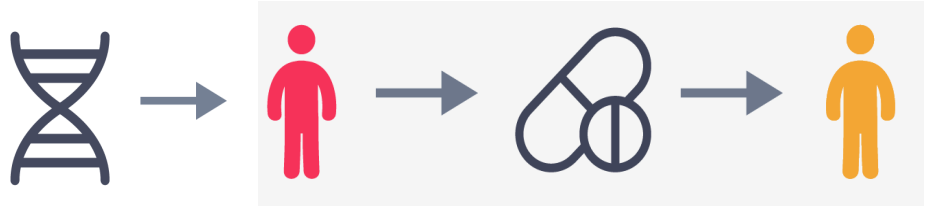
Maximize Treatment Success

# Aim 3: Companion Predictive Biomarker

<u>Research Plan</u>

3.1: Compound Tumour Suppressor Signature

3.2: Genomic Marker of Androgen Sensitivity



BETTER TREATMENT SELECTION

# Changing the Natural History