Pharmacogenomic Testing in Community Pharmacies

18th Annual International Healthcare Summit
Why Pharmacy?

• Pharmacists are medication management experts

• Pharmacists already tailor medications based on the individual

• Pharmacogenomics is another piece of information to enhance personalizing treatment

www.bcpharmacy.ca
Genomics for Precision Drug Therapy in the Community Pharmacy: Phase 1 (2014 - 2015)

- Partnered with UBC Faculty of Pharmaceutical Sciences
- Received GenomeBC Funding
- 31 Pharmacies recruited 200 patients
- Demonstrating pharmacist delivered pharmacogenomic testing
- 16 new SOPs

www.bcpharmacy.ca
Genomics for Precision Drug Therapy in the Community Pharmacy: Phase 2 (2017 - 2018)

- Receiving GenomeBC Funding
- Receiving contributions from Green Shield Canada & Pfizer Canada
- Examine PGx application in mental health
- Demonstrating pharmacist delivered PGx consultation & application
- Support business case for payers

www.bcp pharmacy.ca
Creating an opportunity for pharmacists

- Support pharmacies in expanding their professional services offering
- Strong research links and interest
- Focused on training, education and awareness
Growing Pharmacy Network

www.bcppharmacy.ca
# The myDNA Personalized Report

## Personalised Medication Report for Test Patient

**Name:** Test Patient  
**Address:** 12 Example Street, Example City, Example Country  
**DOB:** 01 January 1960  
**Sex:** Male  
**Copy to:** Dr. John Doe  
**Copy to:** MyDNA Pharamacist  
**Copy to:** Clinical Labs  
**Copy to:** Test Laboratory  
**Copy to:** Test Pharmacy  

## Current Medications

<table>
<thead>
<tr>
<th>GENOTYPING ITEM</th>
<th>INTERPRETATION</th>
<th>RECOMMENDATION</th>
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</thead>
<tbody>
<tr>
<td><strong>CYP2D6</strong></td>
<td>Poor</td>
<td>CYP2D6 (normal)</td>
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<tr>
<td><strong>CYP2C19</strong></td>
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**CYP2D6:** The myDNA Personalized Report

**CYP2C19:** The myDNA Personalized Report

## Personalised Interpretation and Recommendations

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## Potential Drug Interactions

**CYP2D6:** The myDNA Personalized Report

**CYP2C19:** The myDNA Personalized Report

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**www.bcp.com**
Using Tools Available Today

www.bcppharmacy.ca