



# ‘Shaping the Future of Laboratory Medicine: The Great Debate’

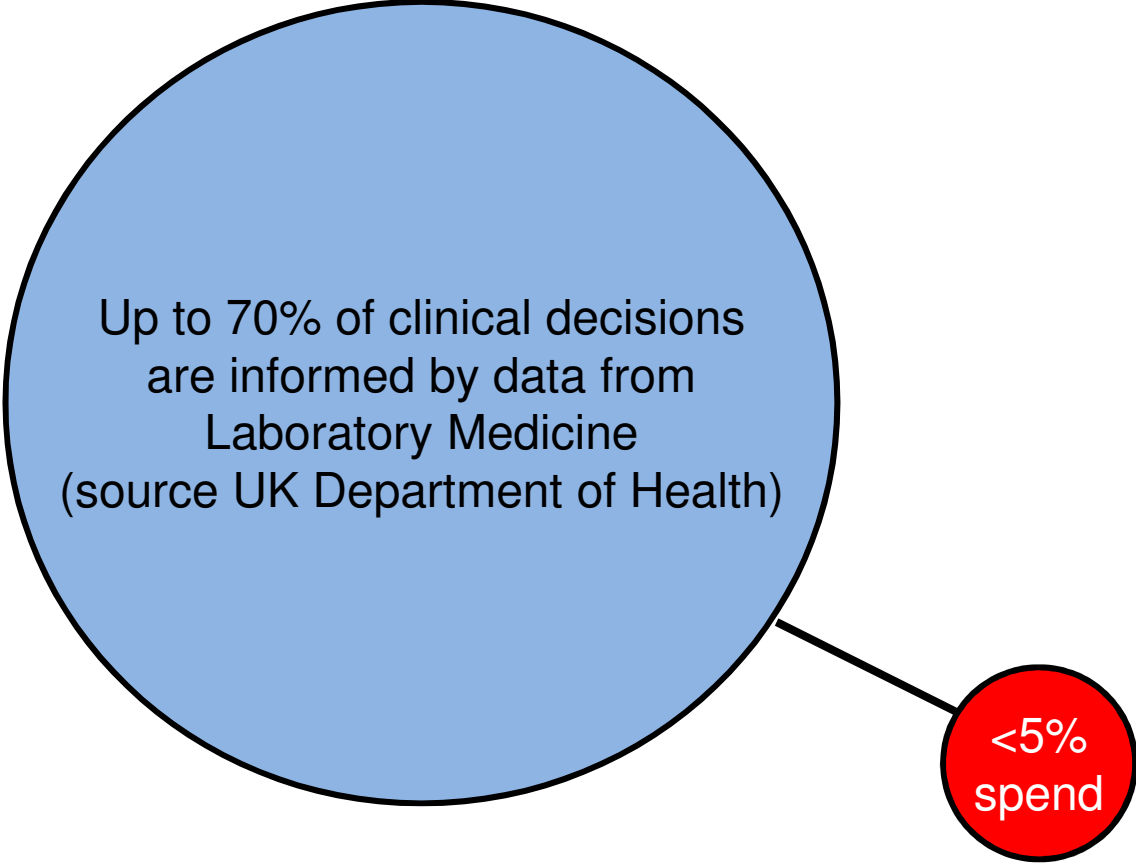
Graham Beastall

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# Timetable of Debate

- 13.45h Introduction
- 14.10h Short presentations x5
- 14.35h Open discussion:
  1. Drivers for change in laboratory medicine
  2. Divisions in laboratory medicine
  3. Shaping the future of laboratory medicine
  4. IFCC Proposals for change
- 15.35h Conclusions, what happens next?
- 15.45h End of Session 6

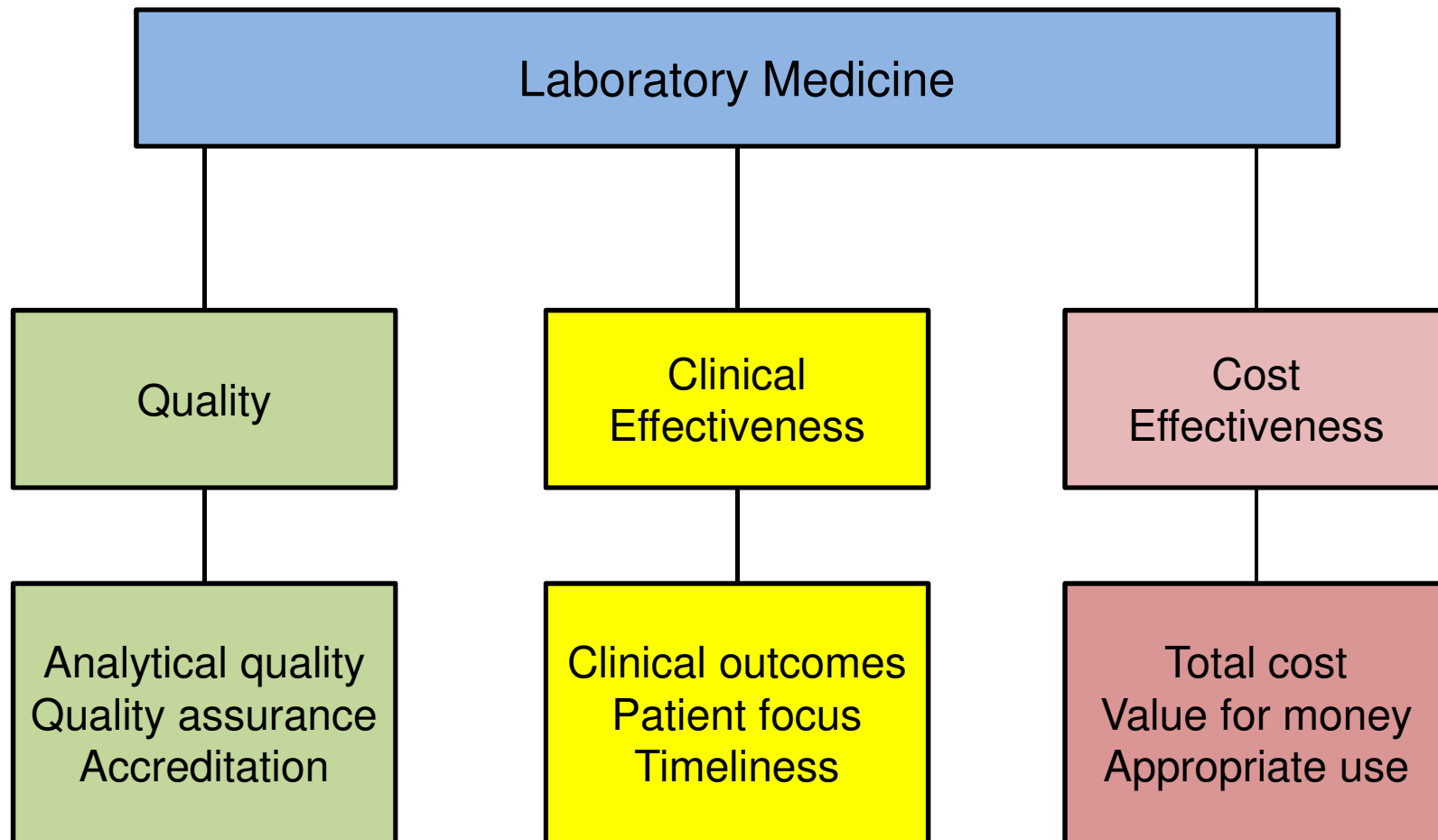
# Central Role of Laboratory Medicine



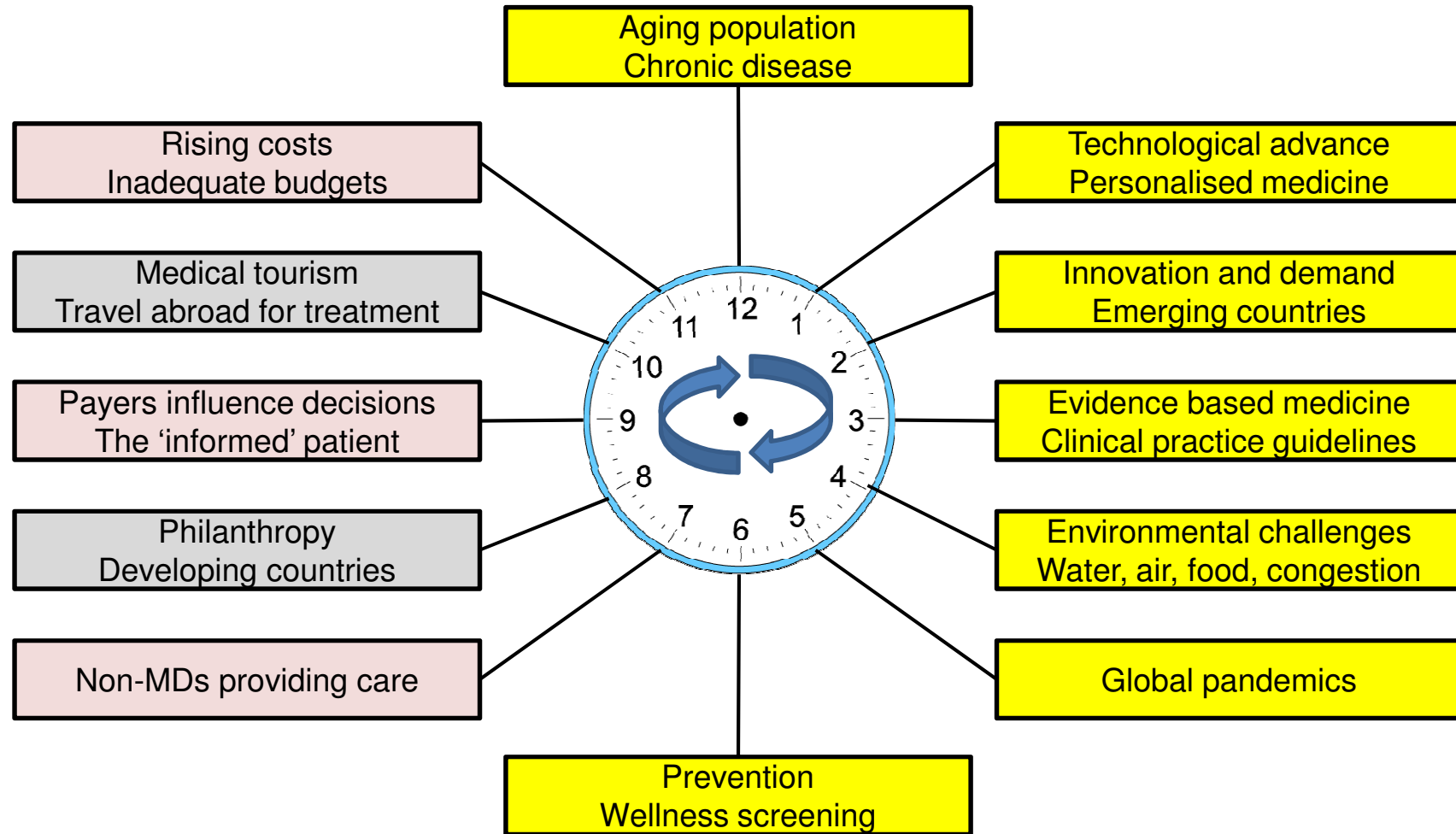
Up to 70% of clinical decisions  
are informed by data from  
Laboratory Medicine  
(source UK Department of Health)

<5%  
spend

# Laboratory Medicine Review: In Every Country

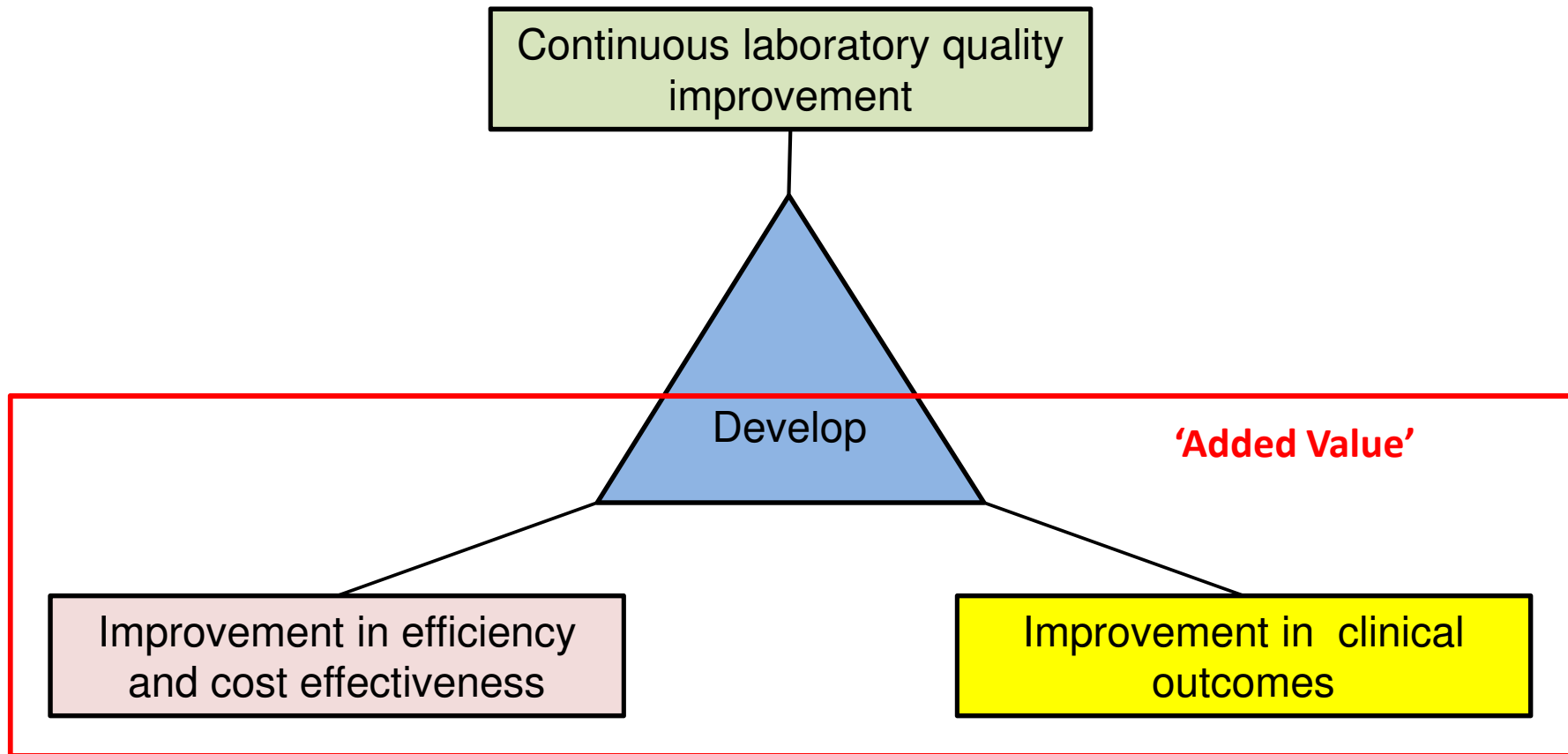


# Mega-Trends in Healthcare: The Future? Influence on Laboratory Medicine?



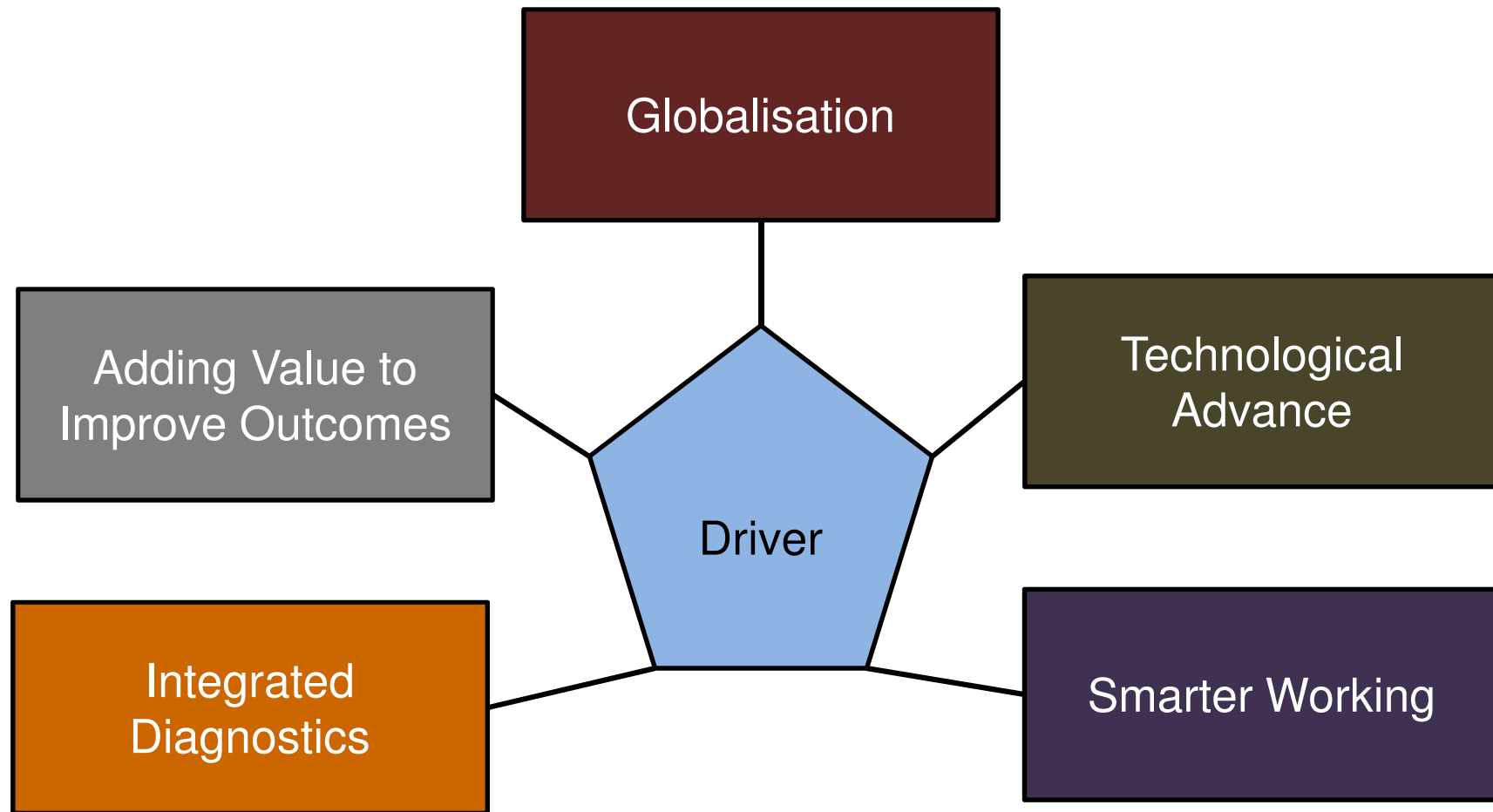
Adapted from Harvard Business Report <http://hbr.org>

# Laboratory Medicine: Future Priorities

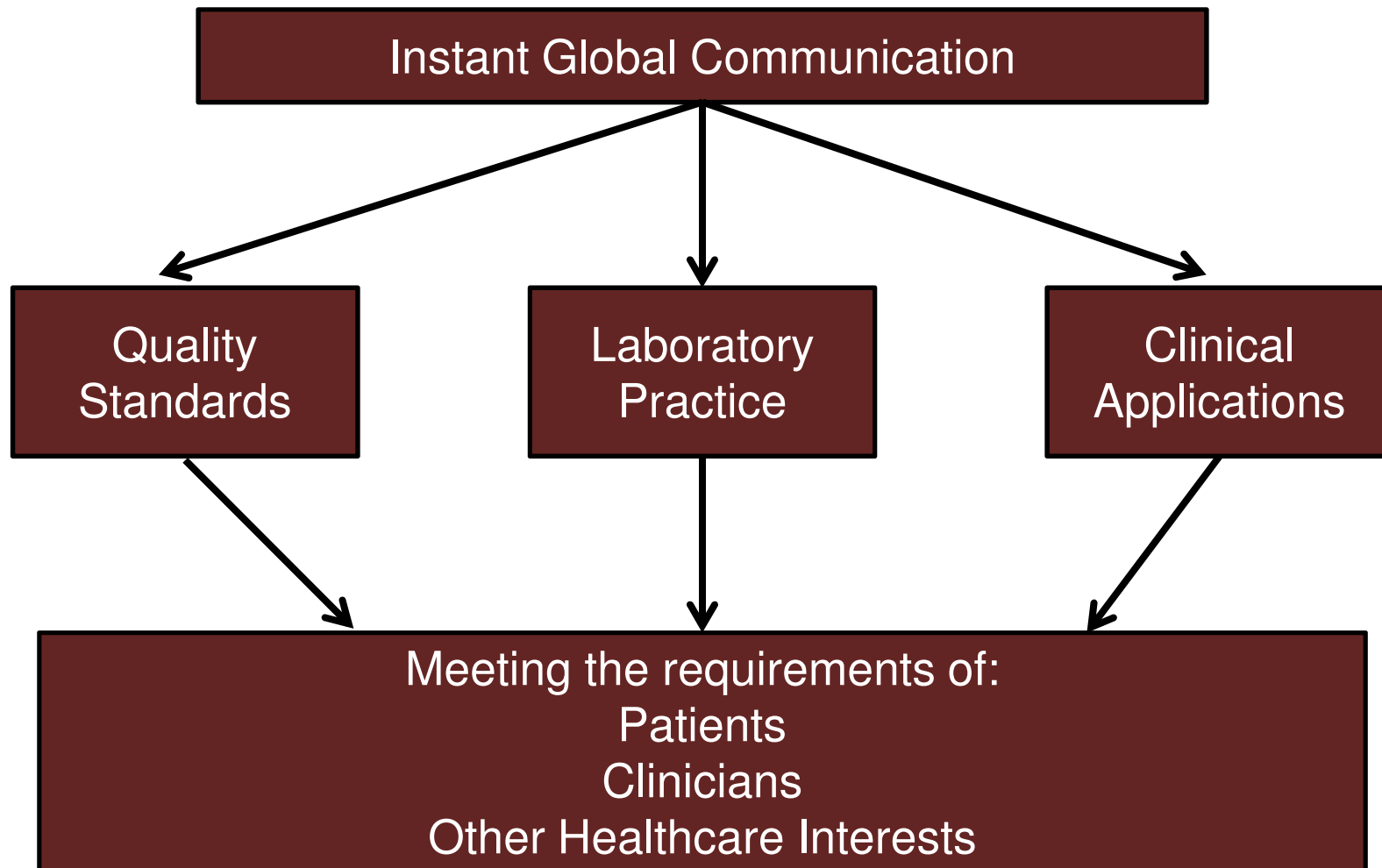


Development will be 'outside' as well as 'inside' the laboratory

# Drivers for Change in Laboratory Medicine

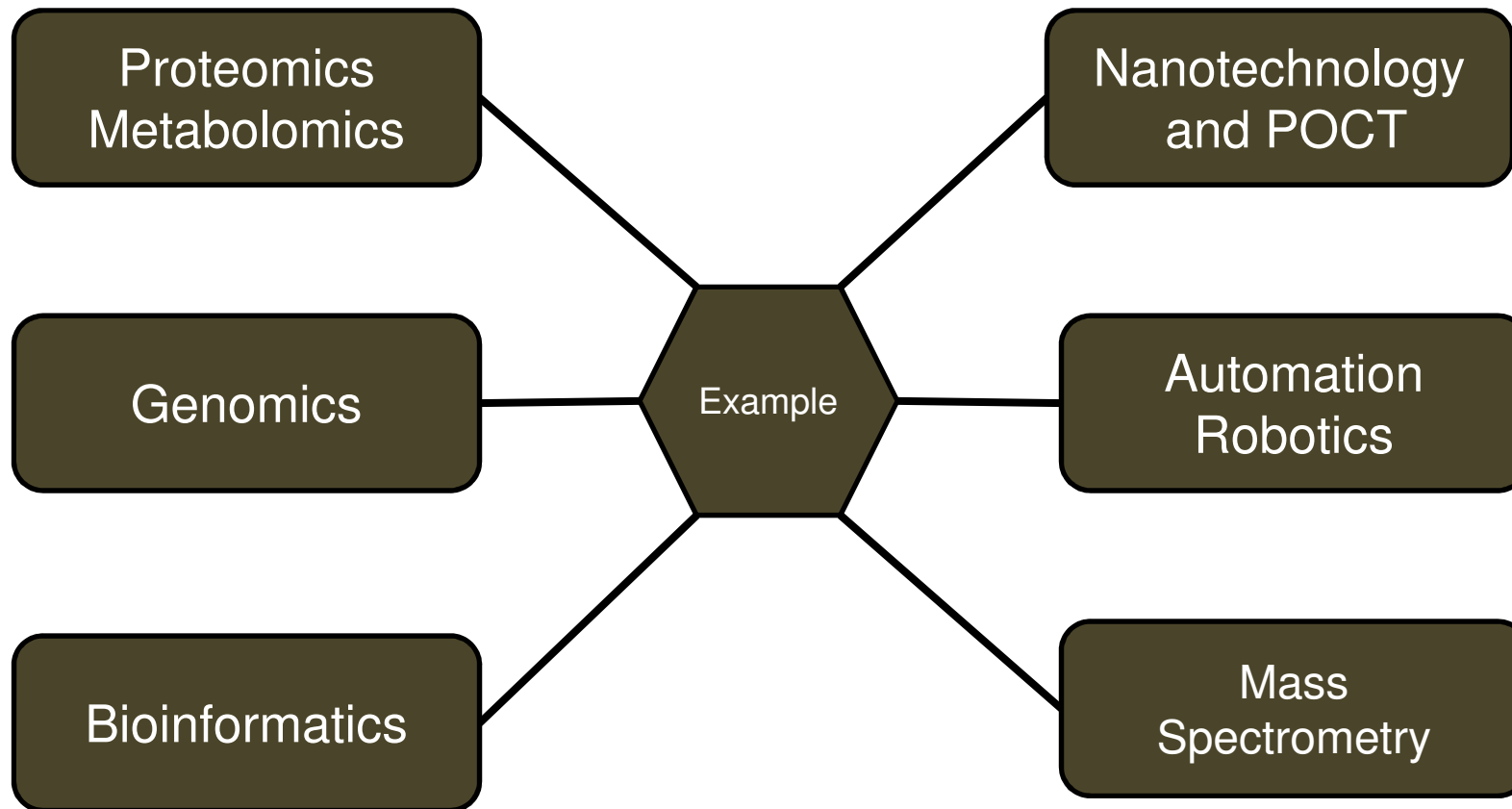


# Globalisation of Laboratory Medicine



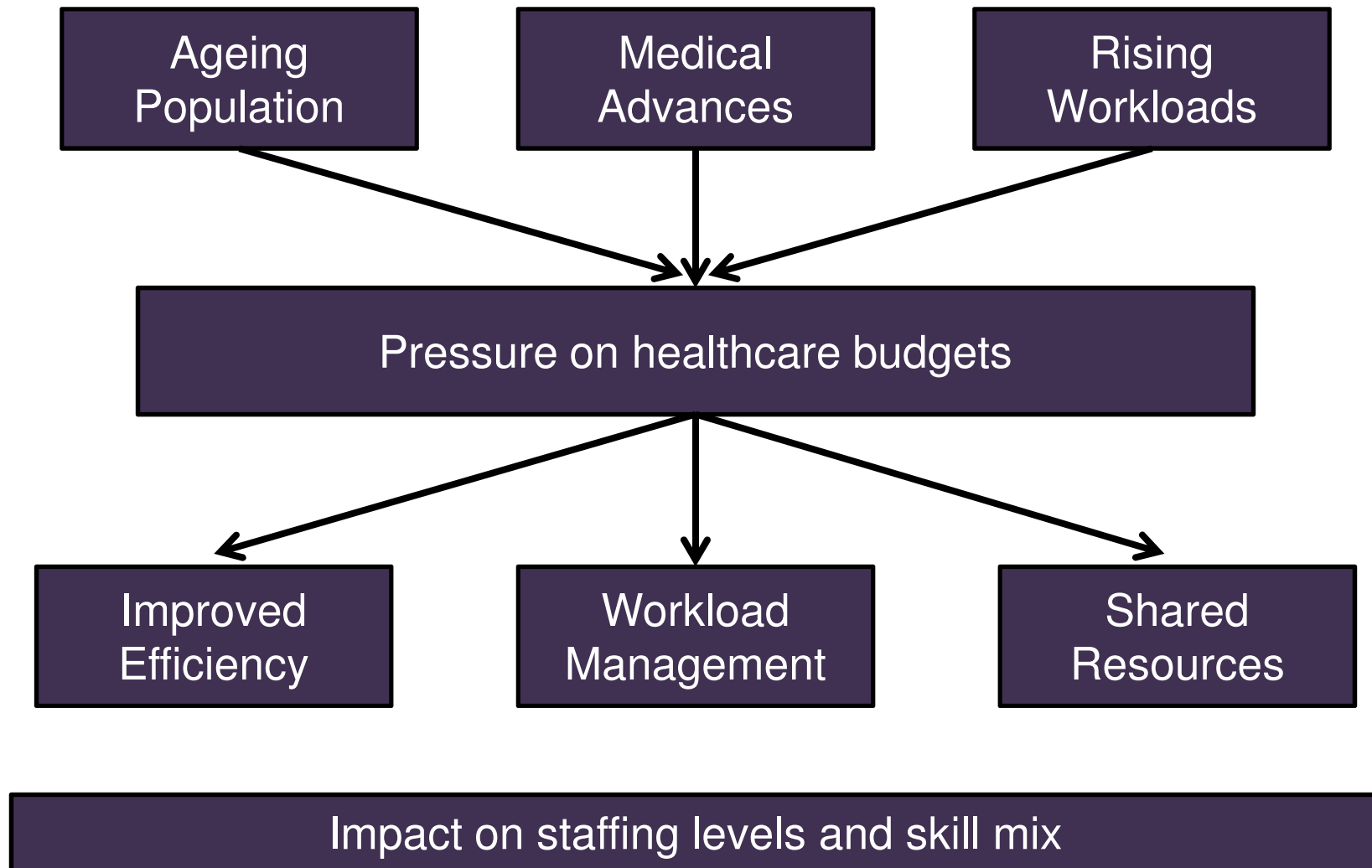


# Technological Advance

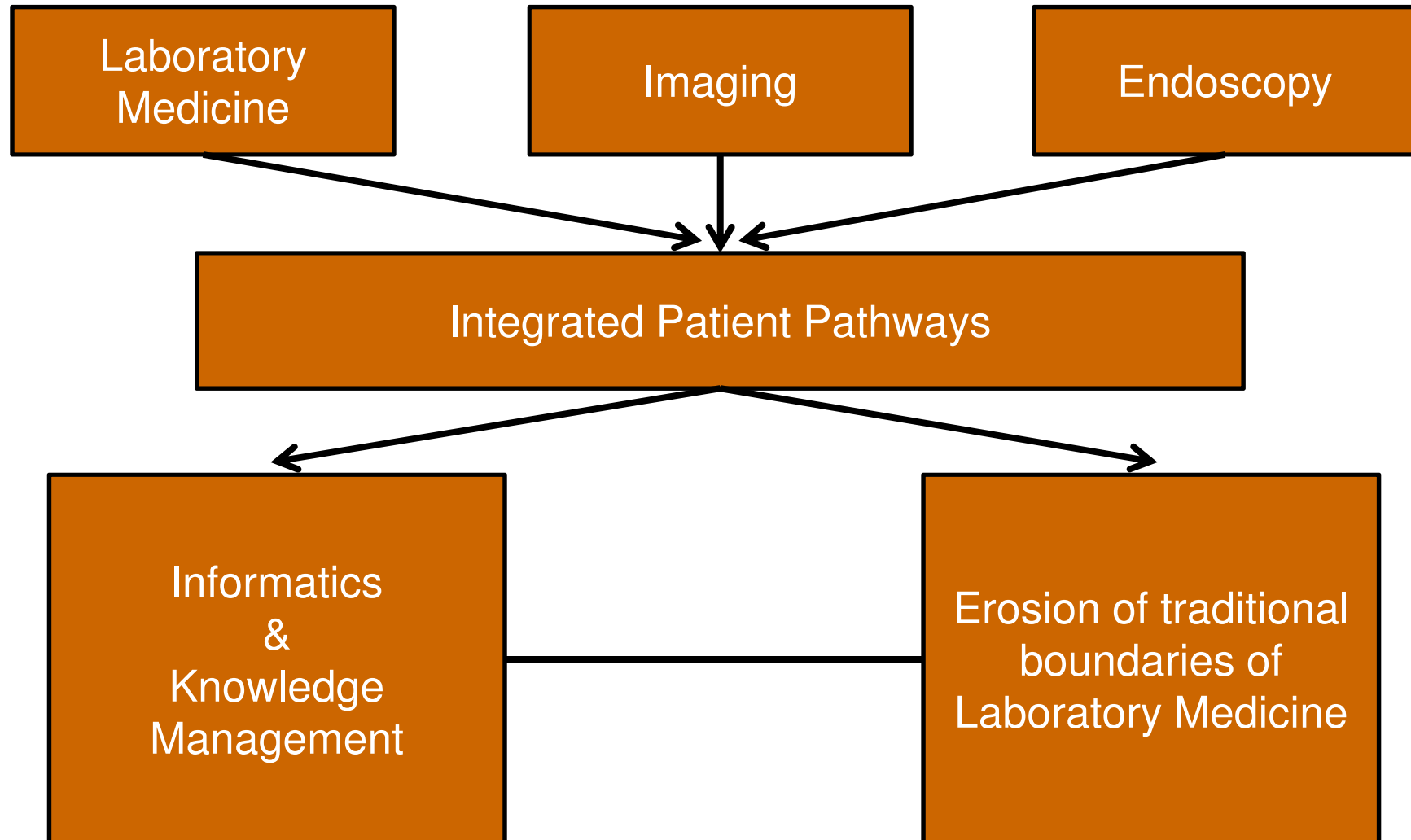


Impact on skills training and operational requirements

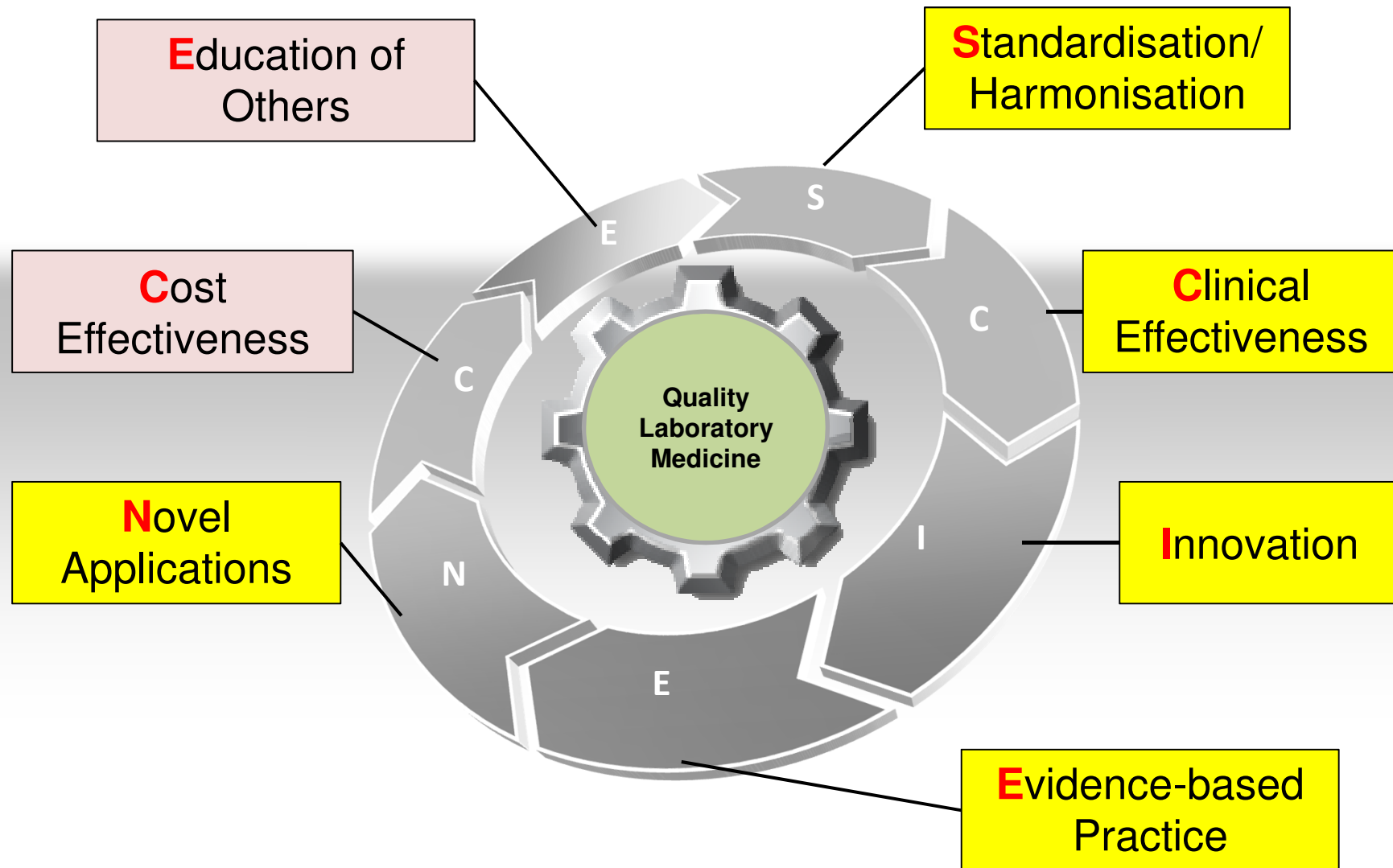
# Smarter Working



# Integrated Diagnostics



# Adding Value Cycle to Quality Laboratory Medicine Services Through the Application of 'SCIENCE'



# 'Divisions' in Laboratory Medicine

Local	National	International
What do we call ourselves?		

Staff Grades
Medical Doctor
Clinical Scientist
Technologist
Pharmacist
Technician
Laboratory Assistant

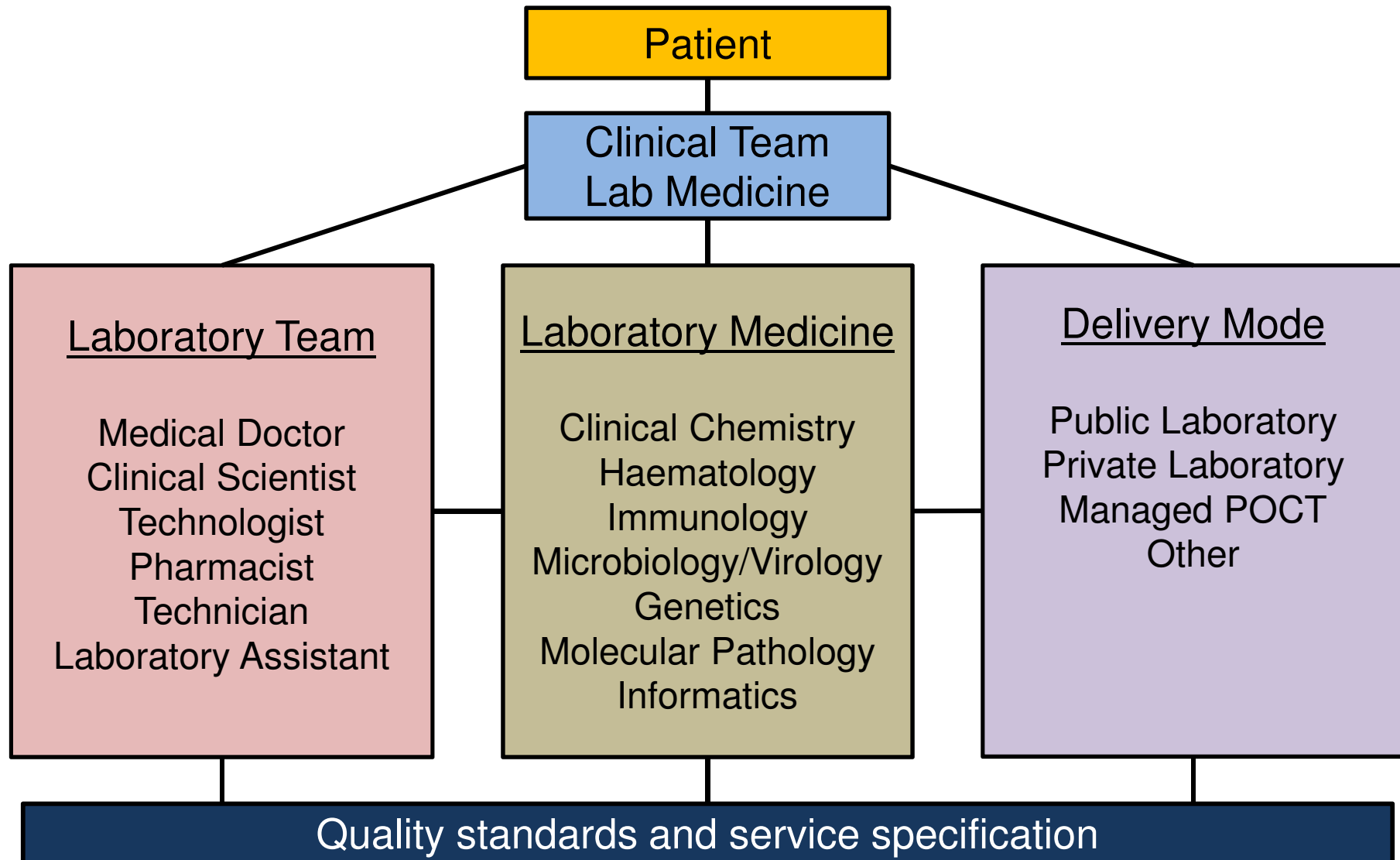
Sub-Specialty
Clinical Chemistry
Haematology
Immunology
Microbiology/Virology
Genetics
Molecular Pathology
Informatics

Delivery Mode
Public Laboratory
Private Laboratory
Managed POCT
Unmanaged POCT
'Over the Counter'
Via the Internet

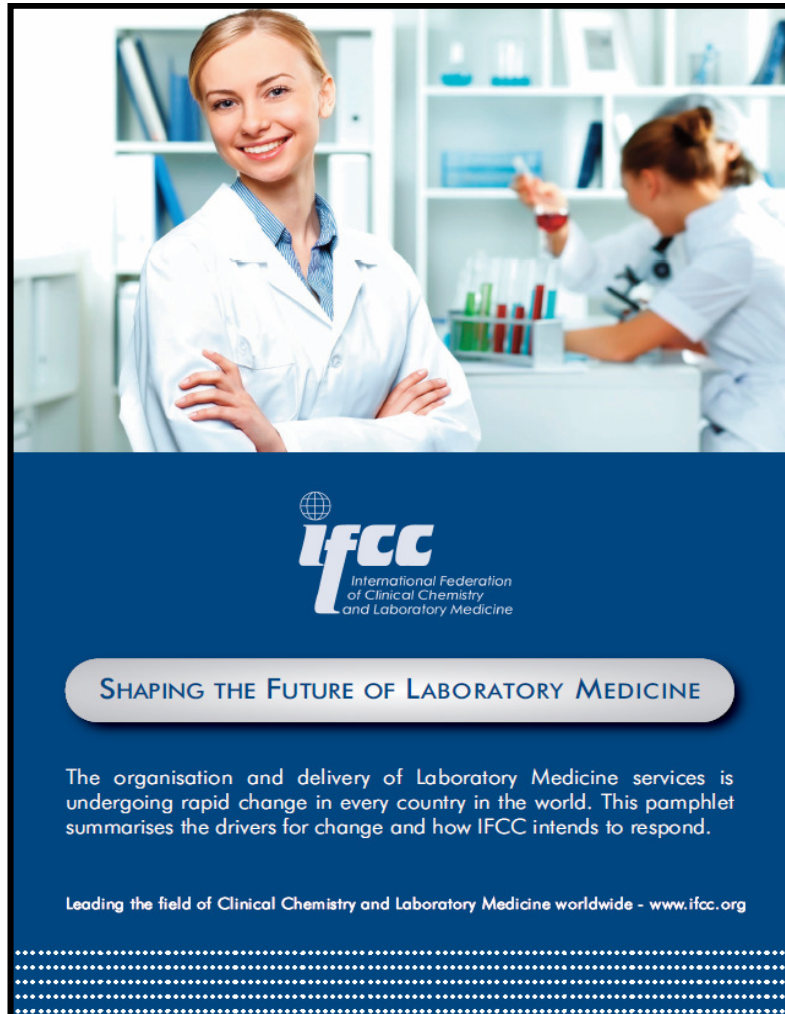
**Good for patients?**

**Good for profession ?**

# The 'Inclusive' Global Alternative



# 'Shaping the Future of Laboratory Medicine'



A vision for the future

Arising from  
IFCC Strategic Plan


Launched May 2013  
to all IFCC Members

One year consultation

Debate at IFCC Council  
June 2014

# 'Shaping the Future of Laboratory Medicine'



  
International Federation  
of Clinical Chemistry  
and Laboratory Medicine

SHAPING THE FUTURE OF LABORATORY MEDICINE

The organisation and delivery of Laboratory Medicine services is undergoing rapid change in every country in the world. This pamphlet summarises the drivers for change and how IFCC intends to respond.

Leading the field of Clinical Chemistry and Laboratory Medicine worldwide - [www.ifcc.org](http://www.ifcc.org)

## Aims of Consultation

1. To stimulate societies to consider solutions for their own country
2. To consider how IFCC may position itself for the future



# Opportunities for IFCC



# Opening Up the Membership of IFCC: Barrier

## IFCC Statute 4.1.1

Full Members are drawn from either one established and recognised national society of clinical chemistry, or clinical chemistry and laboratory medicine, or one such organisation in a given geographical area

Limits IFCC to one Full Member per country. (Most IFCC Full Members originated as Clinical Chemistry Societies. They have embraced wider laboratory medicine to a variable extent).

Can only be changed by a vote of the IFCC Council  
i.e. Current Full Members

# Survey of IFCC Full Members: Nov 2013

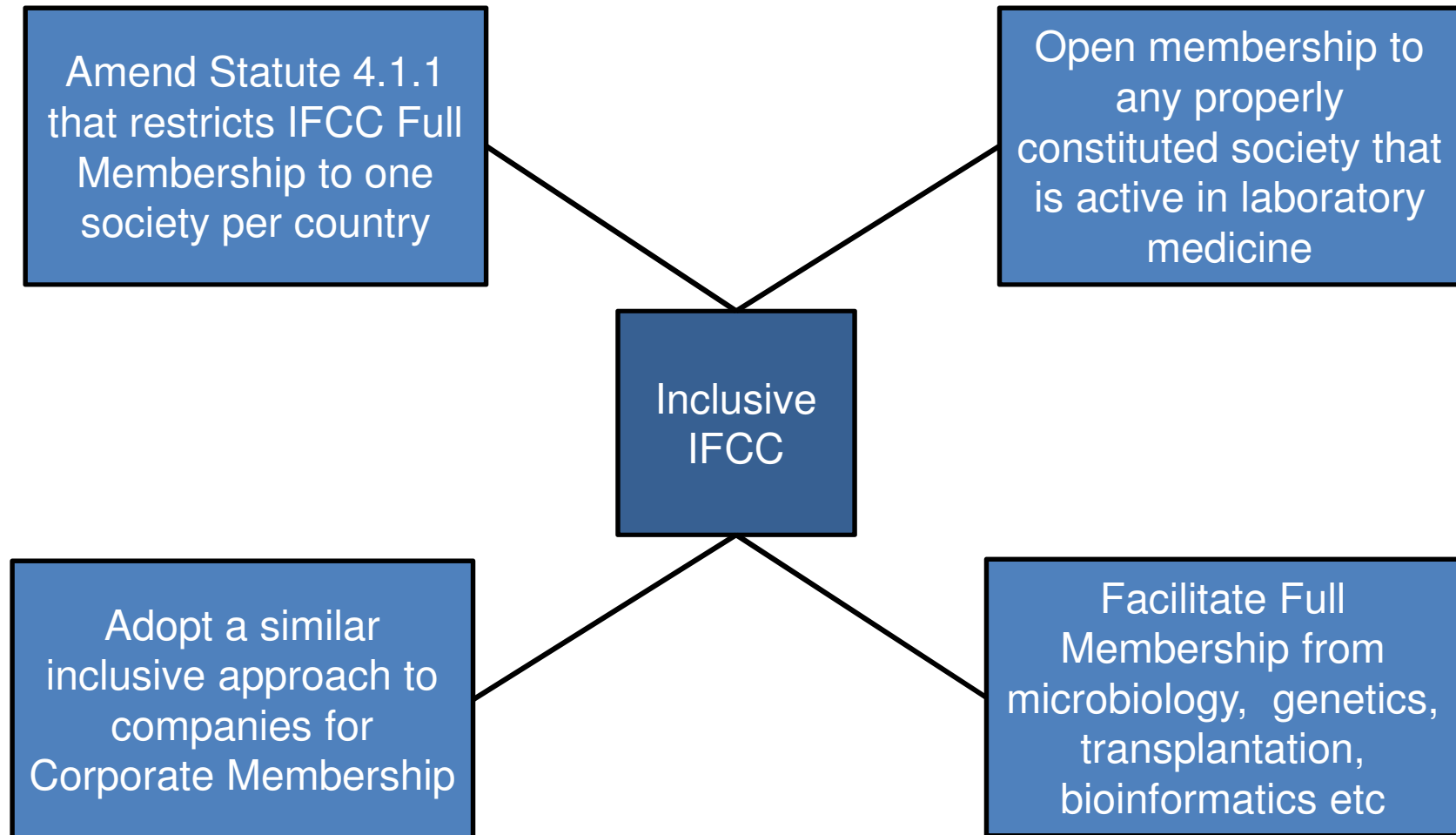
- 100% are active in clinical chemistry
- >70% are active in immunology and haematology
- >60% are active in microbiology, molecular pathology
- >50% are active in genetics and virology
- <50% are active in transfusion, transplantation, informatics
- Only 2 IFCC Full Members are active in anatomic pathology

## Conclusions:

IFCC should not seek to include anatomic pathology

A case can be made for greater inclusivity in laboratory medicine

# IFCC Proposals for Change



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# Examples of Good Practice Regarding the Future of Laboratory Medicine

Standardization linked to traceability      Lothar Siekmann (DE)

The Asian Pacific Region vision      Leslie Lai (MY)

Collaboration in Romania      Camelia Grigore (RO)

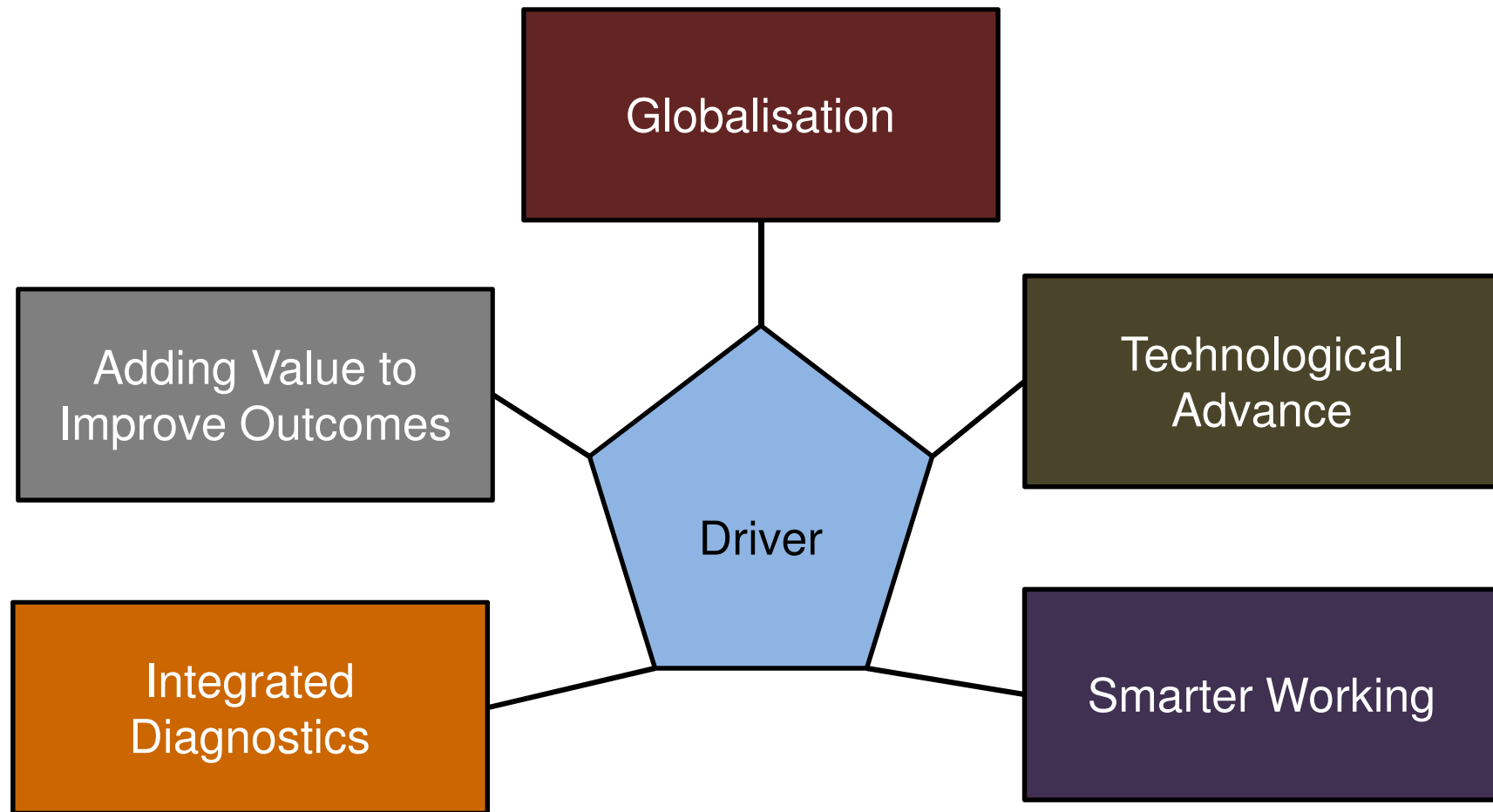
UK vision and achievements      Eric Kilpatrick (UK)

AACC strategic plan for the future      Gary Myers (US)

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# Drivers for Change in Laboratory Medicine

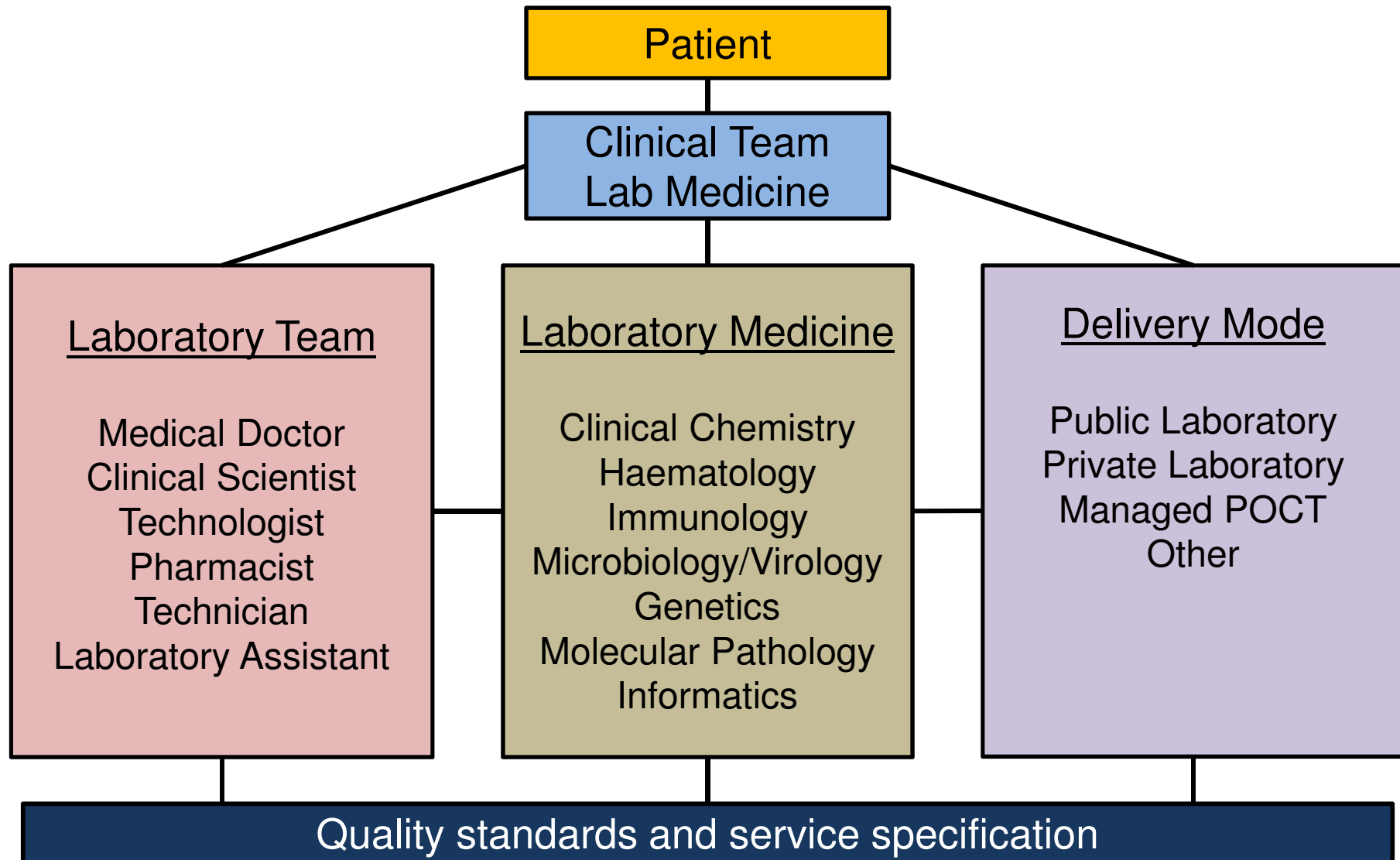




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# The 'Inclusive' Global Alternative



# Timetable of Debate

- 14.35h Open discussion:
  3. Shaping the future of laboratory medicine
    - a) At national / regional level
    - b) Opportunities for IFCC
    - c) Implications for IFCC Corporate Members
  4. IFCC proposals for change
- 15.35h Conclusions, what happens next?
- 15.45h End of Session 6

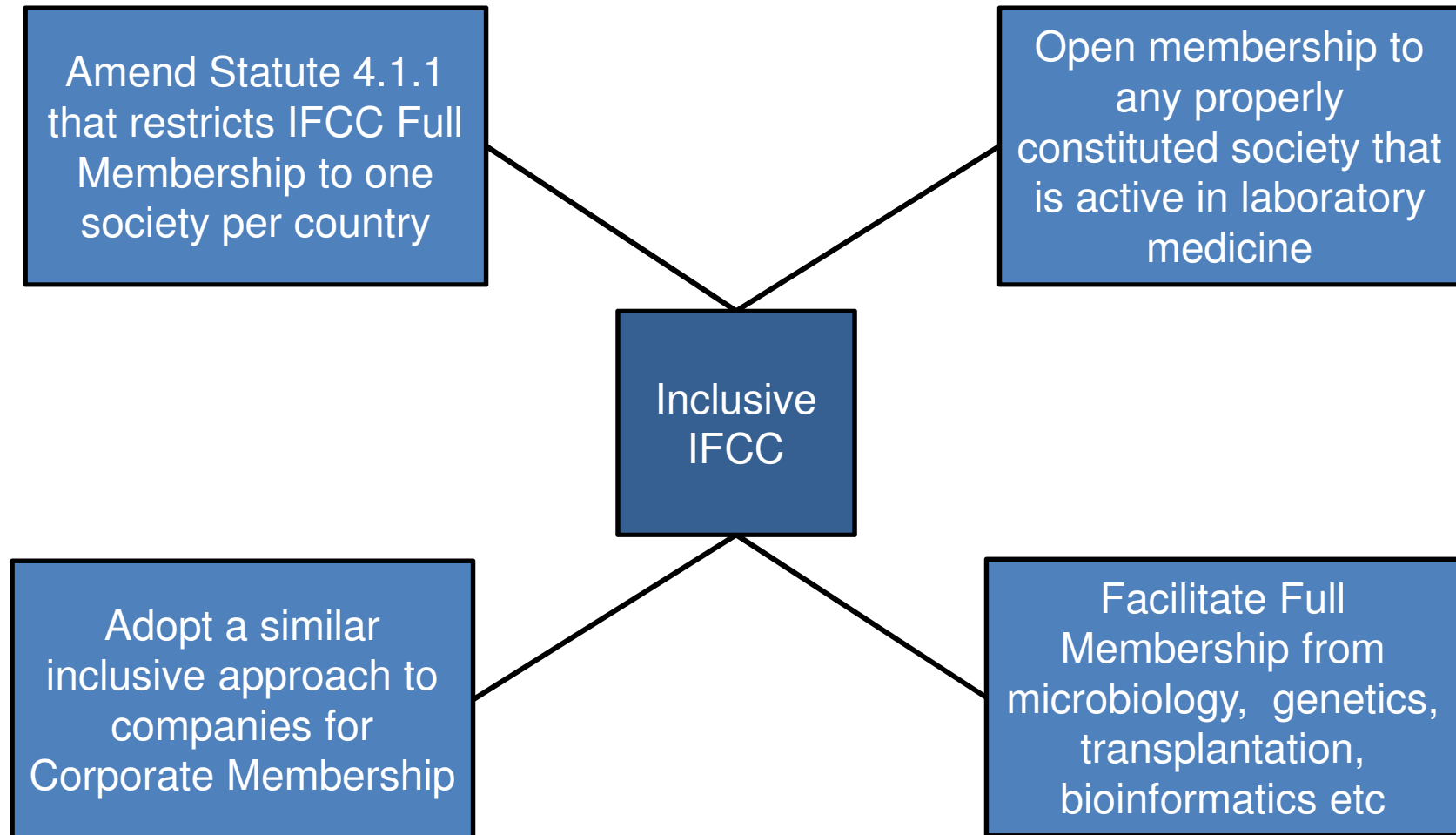
# Opportunities for IFCC



# Timetable of Debate

- 14.35h Open discussion  
4. IFCC proposals for change
- 15.35h Conclusions, what happens next?
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# IFCC Proposals for Change



# Timetable of Debate

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