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**Michael Fanning**

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(Medical Research)

# Ovid

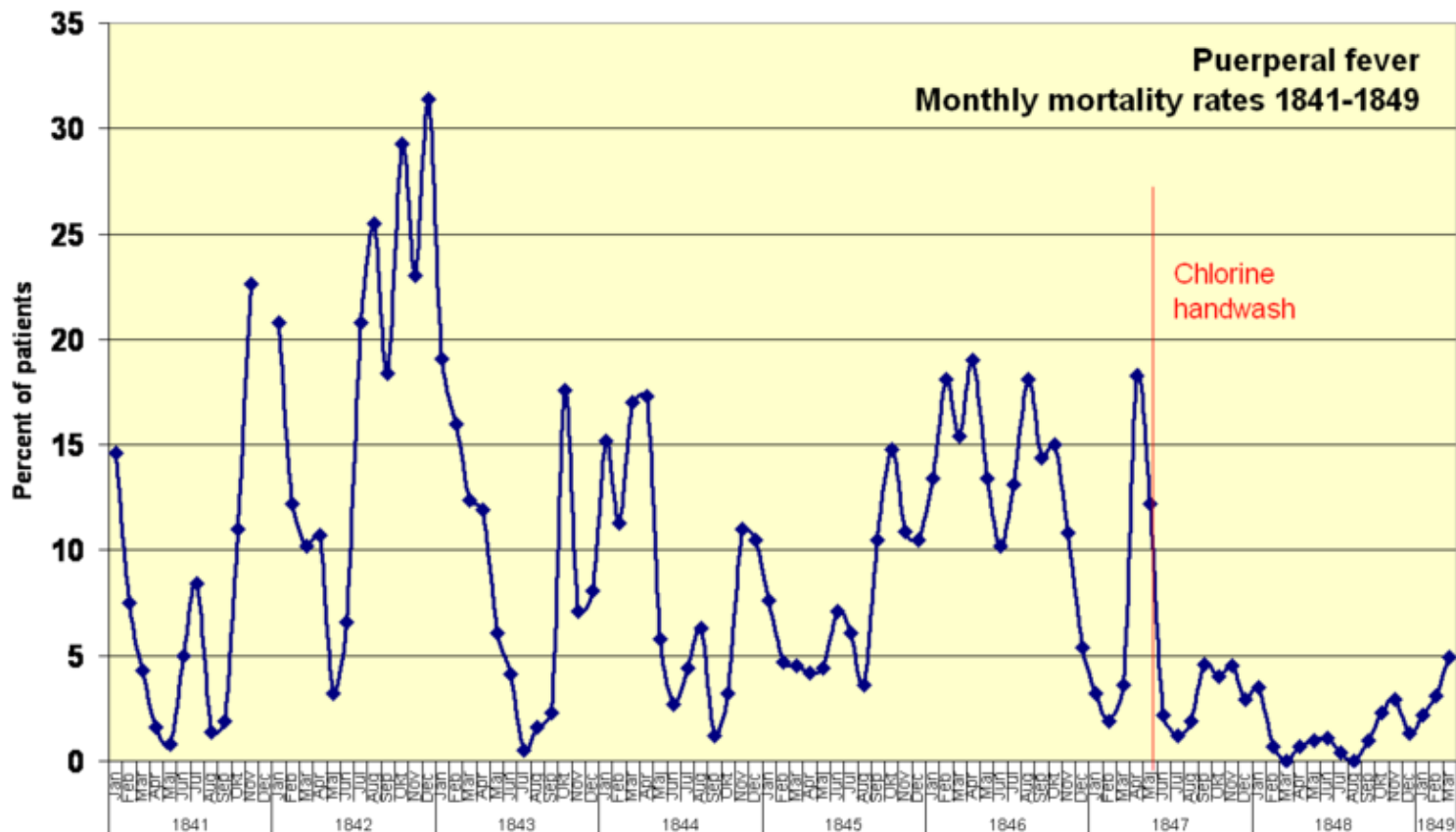
## Personalities and the Person in Evidence Based Medical Practice: Learning from Ignaz Semmelweis, Archie Cochrane and Joanna Briggs

ISIM 2014, Semmelweis University, Budapest  
25<sup>th</sup> September 2014



## Food for thought

## What Ignaz Semmelweis knew then...



Source: [http://en.wikipedia.org/wiki/Ignaz\\_Semmelweis](http://en.wikipedia.org/wiki/Ignaz_Semmelweis)

Food for thought

...we are now realising!

**Better health is not  
a science problem,  
it's an  
information problem.**

Source: It's time to redesign medical data by Thomas Goetz  
[http://www.ted.com/talks/thomas\\_goetz\\_it\\_s\\_time\\_to\\_redesign\\_medical\\_data](http://www.ted.com/talks/thomas_goetz_it_s_time_to_redesign_medical_data)

## The Presentation

1. What is “evidence-based practice” in healthcare?
2. Is it important and if so, why and to whom?
3. What are the barriers to its implementation?
4. How can Ovid help you overcome these barriers?
5. Where and when could we start?

# 1. What is “evidence-based practice” in healthcare?

*“Evidence-based medicine is the conscientious, explicit, and judicious use of current best evidence in making decisions about the care of individual patients. The practice of evidence-based medicine means integrating individual clinical expertise with the best available evidence from systematic research.”*

Source: „What is evidence- based medicine and what is not?“ D.L.Sackett et al.

....in a nutshell!

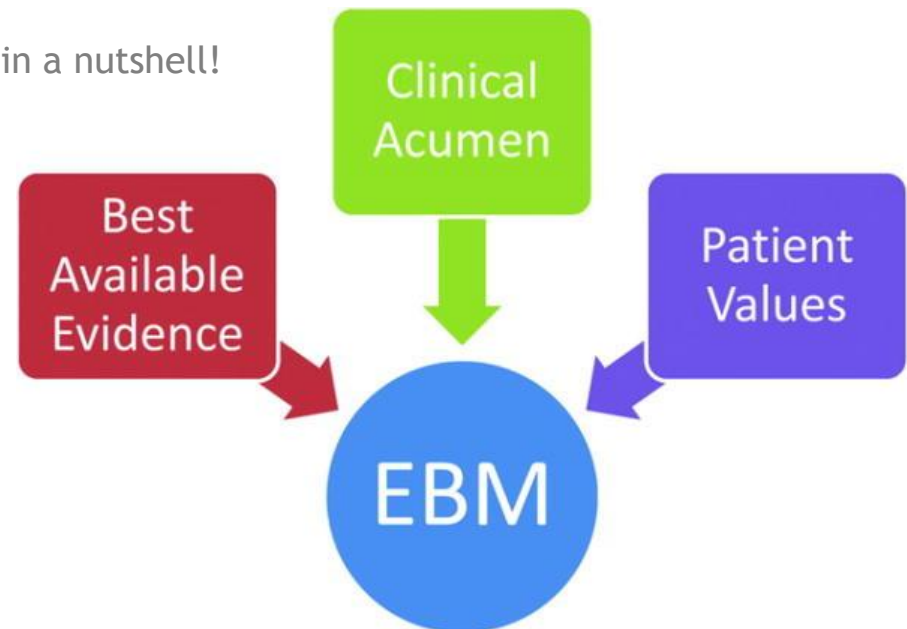


Fig. 2. Three quintessential components of evidence-based medicine (EBM).

**Archie Cochrane and His Vision for Evidence-Based Medicine.**  
Shah, Hriday; Chung, Kevin

Plastic & Reconstructive Surgery. 124(3):982-988, September 2009.  
DOI: 10.1097/PRS.0b013e3181b03928

## 2. Is it important and if so, why and to whom?

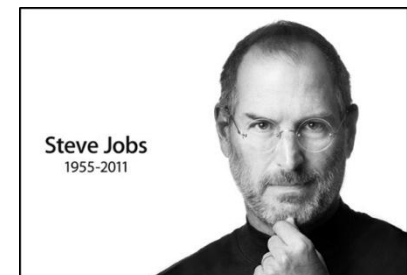
Good decisions require good information!



EBMP is important to all stakeholders!



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© 2011 www.apple.com

### 3. What are the barriers to its implementation?



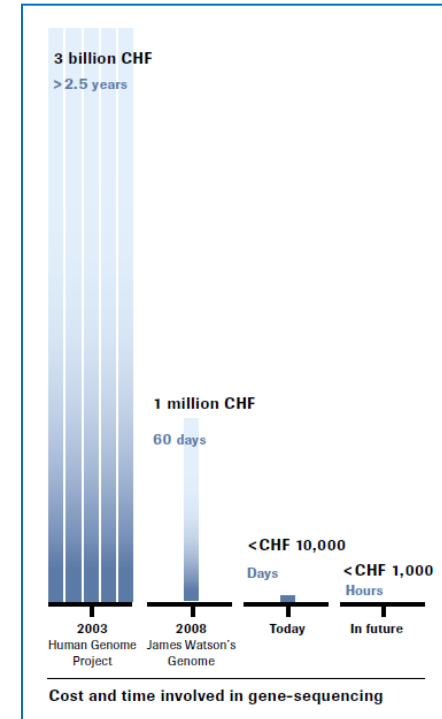
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too much  
information



© istock.com/Lise\_Gagne

never  
enough  
time



unprecedented  
change

## 4. How can Ovid help you overcome these barriers?





## 4.1. How can we help?

## Ovid MEDLINE

The screenshot displays the OvidSP web interface. At the top, the Wolters Kluwer Health and OvidSP logos are visible. The user is logged in as Michael Fanning. Navigation links include My Account, JBI Admin, My PayPerView, and Support & Training (highlighted with a red box and a green 'S' label). The main navigation bar contains Search, Journals, Books, Multimedia, My Workspace, External Links, OvidMD, and EBP Tools. Below this, a Search History section shows 0 searches. The search options include Basic Search, Find Citation, Search Tools, Search Fields, Advanced Search, and Multi-Field Search (highlighted with a red box and a green 't' label). A search result for 'Ovid MEDLINE(R) without Revisions 1996 to March Week 2 2014' is selected (highlighted with a red box and a green 'C' label). The search input field contains the text 'what is the next big thing in medicine?' and the Search button is visible. The footer includes language options, copyright information, and version details.

Wolters Kluwer Health | OvidSP

Logged in as Michael Fanning at Wolters Kluwer Health | My Account | JBI Admin | My PayPerView | **Support & Training** | Search

**Search** Journals Books Multimedia My Workspace External Links OvidMD EBP Tools

Search History (0 searches) (expand) View Saved

Basic Search | Find Citation | Search Tools | Search Fields | Advanced Search | Multi-Field Search

1 Resource selected | Hide | Change

**Ovid MEDLINE(R) without Revisions 1996 to March Week 2 2014**

Universal Search:

what is the next big thing in medicine? Search

Limits (expand) ☐ Include Multimedia ☒ Include Related Terms

English | Français | Deutsch | 日本語 | 繁體中文 | Español | 简体中文 | 한국어

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## 4.2. How can we help?

## Cochrane Databases

### Evidence Based Medicine Reviews: Cochrane Database of Systematic Reviews

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The Cochrane Database of Systematic Reviews (COCH) is part of Ovid's Evidence Based Medicine Reviews collection, and includes the full text of the regularly updated systematic reviews of the effects of healthcare prepared by The Cochrane Collaboration.

Menu:

- [Fields](#)
- [Advanced Searching](#)
- [Stopwords](#)
- [Limits](#)
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- [Changing to this Database](#)
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- [Producer](#)
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Database gu  
updated Oct

Copyright 20  
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The reviews are presented in two types:

- Cochrane Methodology Reviews** are full-text systems both highly structured and systematic. Evidence from of explicit quality criteria, thus minimizing bias. Each r Data from studies are often combined statistically to in

#### Specialised Register: Electronic Searches

MEDLINE search strategy (Searched 1950 to end of September 2009 using Ovid)

1. randomized controlled trial.pt.
2. controlled clinical trial.pt.
3. exp Randomized Controlled Trials/
4. exp Random Allocation/
5. exp Double-Blind Method/
6. exp Single-Blind Method/
7. 1 or 2 or 3 or 4 or 5 or 6
8. (animals not humans).sh.
9. 7 not 8
10. clinical trial.pt.
11. Clinical Trial/
12. (clin\$ adj trial\$).ab,ti.
13. ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).ab,ti.
14. exp PLACEBOS/
15. placebo\$.ab,ti.
16. random\$.ab,ti.
17. exp Research Design/
18. 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
19. (animals not humans).sh.
20. 18 not 19
21. 9 or 20

#### Cochrane Group List

<input type="checkbox"/>	Cochrane Acute Respiratory Infections Group
1.	<a href="#">Group Information</a>   <a href="#">Table of Contents</a>
<input type="checkbox"/>	Cochrane Airways Group
2.	<a href="#">Group Information</a>   <a href="#">Table of Contents</a>
<input type="checkbox"/>	Cochrane Anaesthesia Group
3.	<a href="#">Group Information</a>   <a href="#">Table of Contents</a>
<input type="checkbox"/>	Cochrane Back Group
4.	<a href="#">Group Information</a>   <a href="#">Table of Contents</a>
<input type="checkbox"/>	Cochrane Bone, Joint and Muscle Trauma Group
5.	<a href="#">Group Information</a>   <a href="#">Table of Contents</a>
<input type="checkbox"/>	Cochrane Breast Cancer Group
6.	<a href="#">Group Information</a>   <a href="#">Table of Contents</a>

#### Cochrane Epilepsy Group

Accession: 00075320-001700000-00000

Keywords: Cochrane Epilepsy Group

## 4.3. How can we help? Joanna Briggs Institute - Database

Select Resource(s) to search:

## All Resources

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">1 Transplant Library</a> March 19, 2014</li> <li><input type="checkbox"/> <a href="#">2 The Joanna Briggs Institute EBP Database - Current to M</a></li> <li><input type="checkbox"/> <a href="#">3 Joanna Briggs Institute EBP Database - Aged Care</a></li> <li><input type="checkbox"/> <a href="#">4 Joanna Briggs Institute EBP Database - Burns Care</a></li> <li><input type="checkbox"/> <a href="#">5 Joanna Briggs Institute EBP Database - Cancer Care</a></li> <li><input type="checkbox"/> <a href="#">6 Joanna Briggs Institute EBP Database - Chronic Disease</a></li> <li><input type="checkbox"/> <a href="#">7 Joanna Briggs Institute EBP Database - Diagnostic Imag</a></li> <li><input type="checkbox"/> <a href="#">8 Joanna Briggs Institute EBP Database - Emergency &amp; T</a></li> <li><input type="checkbox"/> <a href="#">9 Joanna Briggs Institute EBP Database - General Medic</a></li> <li><input type="checkbox"/> <a href="#">10 Joanna Briggs Institute EBP Database - Health Manage</a></li> <li><input type="checkbox"/> <a href="#">11 Joanna Briggs Institute EBP Database - Infection Contr</a></li> <li><input type="checkbox"/> <a href="#">12 Joanna Briggs Institute EBP Database - Mental Health</a></li> <li><input type="checkbox"/> <a href="#">13 Joanna Briggs Institute EBP Database - Midwifery Care</a></li> <li><input type="checkbox"/> <a href="#">14 Joanna Briggs Institute EBP Database - Rehabilitation</a></li> <li><input type="checkbox"/> <a href="#">15 Joanna Briggs Institute EBP Database - Surgical Services</a></li> <li><input type="checkbox"/> <a href="#">16 Joanna Briggs Institute EBP Database - Wound Healing and Management</a></li> <li><input type="checkbox"/> <a href="#">17 Joanna Briggs Institute EBP Database - Paediatrics</a></li> <li><input type="checkbox"/> <a href="#">18 Joanna Briggs Institute EBP Database - Tropical and Infectious Disease</a></li> <li><input type="checkbox"/> <a href="#">19 ACP Smart Medicine</a> February 2014</li> <li><input type="checkbox"/> <a href="#">20 EBM Reviews - ACP Journal Club</a> 1991 to March 2014</li> </ul> | <p><b>Evidence Summaries</b><br/>interventions and activ<br/>databases.</p> <p><b>Best Practice Inform</b><br/>reviews. BPIS are eas<br/>that have been collect</p> <p><b>Systematic Reviews</b><br/>establishing inclusion o<br/>each paper; excluding<br/>included papers.</p> <p><b>Consumer Informat</b><br/>activities targeted at c<br/>Information Sheet is b<br/>new entries are added</p> <p><b>Systematic Review</b></p> <p><b>Technical Report: D</b></p> |
|--|--|

## Publication Types

**Evidence Based Recommended Practices:** Interventions or procedures that describe and/or recommend certain practices on selected clinical topics. Recommended Practices are based on the best available evidence and each practice consists of an equipment list, a recommended practice, occupational health and safety provisions, and an adjoining evidence summary where evidence is available.

**Evidence Summaries:** Short abstracts that summarize existing international evidence on common health care interventions and activities. Based on structured searches of the literature and selected evidence-based health care databases.

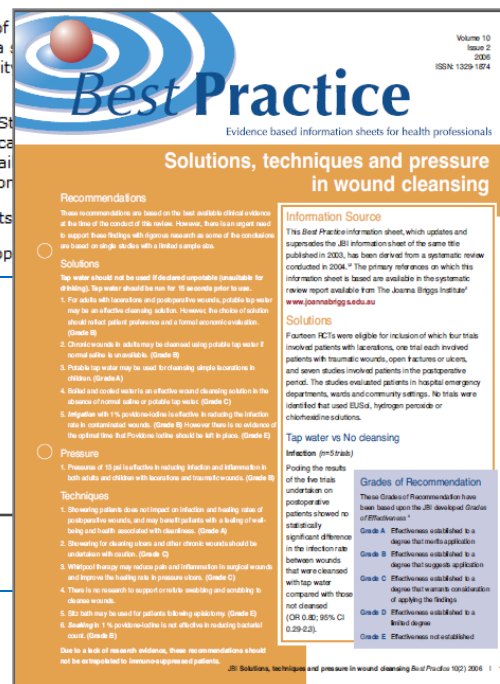
**Best Practice Information Sheets (BPIS):** Short summaries based on the results and recommendations of systematic reviews. BPIS are easily disseminated and provide busy health professionals access to key issues and recommendations that have been collected from a large volume of material.

**Systematic Reviews:** An analysis of all of establishing inclusion criteria; developing a search strategy; screening papers; assessing each paper; excluding papers of poor quality; and synthesizing the findings of the included papers.

**Consumer Information Sheets (CIS):** Still activities targeted at consumers of health care. Information Sheet is based on the best available information. New entries are added in response to customer requests.

### Systematic Review Protocol: Documents

**Technical Report:** Documents the development



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## 4.4. How can we help?

## Joanna Briggs Institute - Tools

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**JBI RAPID**  
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[Qari](#)  
[Actuari](#)  
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Easy to use tool for the collection and storage of patient related prevalence data.  
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**JBI COOL**  
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### Research

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**JBI CAN-IMPLEMENT**  
A practical guide to assist individuals and groups engaged in adapting existing guidelines for local use.  
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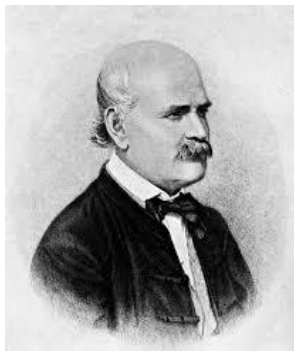
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## 4.4. How can we help?

## Joanna Briggs Institute - Tools

the future  
of medical  
knowledge?



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Ovid and the Joanna Briggs Institute (JBI) provide you with leading evidence-based resources - making it easy for you to find evidence for use within your clinical decision making.

Point of Care	Appraisal & Implementation	Quality Improvement
<b>JBI MANUAL BUILDER</b> Build an evidence-based clinical manual tailored to the information needs of your organization. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>	<b>JBI JOURNAL CLUB</b> Create your own Journal Club and keep up to date with the latest research in a social and relaxed environment. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>	<b>JBI FACE 8</b> User-friendly tool that makes it easy for health professionals to conduct efficient, time saving, evidence based clinical audits and change practice. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>
<b>JBI PAMPHLET BUILDER</b> Build evidence-based information pamphlets for your patients/clients on a range of health topics. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>	<b>JBI RAPID</b> Learn how to critically appraise individual research papers using a standardized checklist. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>	<b>JBI POOL</b> Easy to use tool for the collection and storage of patient related prevalence data. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>
	<b>JBI SUMARI</b> Develop, conduct and report on systematic reviews of multiple research papers. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>	<b>JBI COOL</b> Easy to use tool for the collection and storage of client related prevalence data. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>
	<a href="#">Qari</a> <a href="#">Actuari</a> <a href="#">Notari</a> <a href="#">Mastari</a> <a href="#">CReMIS</a>	
		<b>Research</b>
		<b>JBI TAP</b> A simple online tool designed to assist researchers to analyze small qualitative data sets following a three step thematic analysis process. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>
		<b>JBI CAN-IMPLEMENT</b> A practical guide to assist individuals and groups engaged in adapting existing guidelines for local use. <a href="#">Learn More</a> <a href="#">Bookmark Tool</a>

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the future  
of medical  
knowledge?

## 4.5. How can we help?

## Ovid EBMP Portfolio

### BMJ Clinical Evidence

### Books@Ovid

### Natural Standard

Providers	Insurers	Manufacturers	Retailers	Consumers
<ul style="list-style-type: none"> <li>Check Interactions &amp; Depletions</li> <li>Counsel Patients</li> <li>Reconcile LMR</li> </ul>	<ul style="list-style-type: none"> <li>Establish Guidelines</li> <li>Maintain Formulary</li> <li>Educate Members</li> <li>Encourage Prevention</li> </ul>	<ul style="list-style-type: none"> <li>Substantiate Claims</li> <li>Research &amp; Development</li> <li>Regulatory Affairs</li> <li>White Papers</li> </ul>	<ul style="list-style-type: none"> <li>Promote Quality Products</li> <li>Generate Loyalty</li> <li>Increase ROI</li> </ul>	<ul style="list-style-type: none"> <li>Expert Press Interviews</li> <li>Make Safe &amp; Effective Healthcare Decisions</li> <li>Trust Provider Recommendations</li> </ul>



## 5. Where and when could we start?

Why not here today....



...with....

**Ovid**

# Thank you for your time

For more information and further assistance on how to use the new features on OvidSP 3.0 such as **Export Selected to Powerpoint** as demonstrated on this slide, please see the OvidSP Resource Center or contact the trainer directly:

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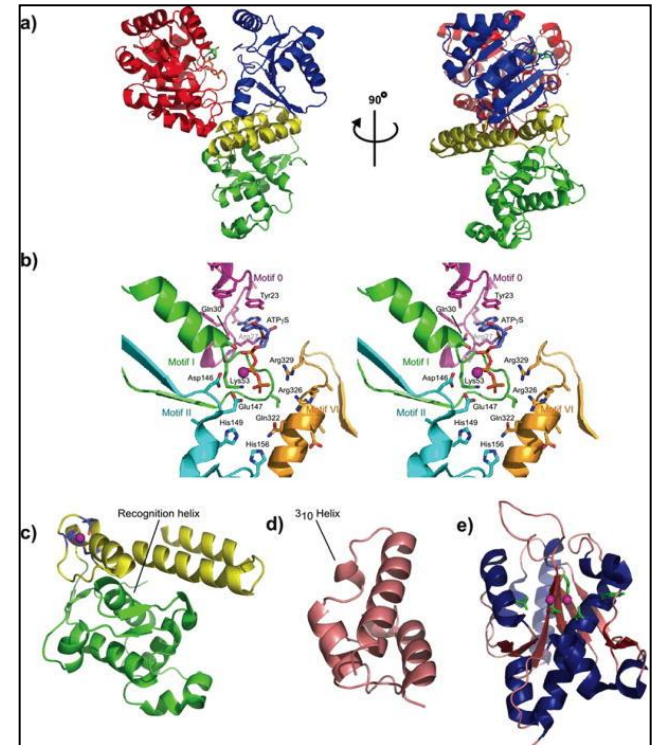
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## Contact information



*Figure 2 . Structural features of RecQ DNA helicases. Sit down, relax and unwind: structural insights into RecQ helicase mechanisms. Killoran, Michael; Keck, James Nucleic Acids Research. 34(15):4098-4105, September 2006. © Copyright Oxford University Press 2006. Published by Oxford University Press.*