Faculty of 1000 biology & Medicine

www.facultyof1000.com
• What is Faculty of 1000?

• Why is there a need for Faculty of 1000?

• Most popular features

• Reactions so far
What is Faculty of 1000?

An online literature awareness service that continuously highlights and evaluates the most interesting papers in biology and medicine, regardless of the journal in which they appear, based on the recommendations of a faculty of over 4000 selected leading researchers and clinicians (Faculty Members).
How is Faculty of 1000 organized?

• All of F1000 is divided into Faculties (subjects), each run by 2-4 Heads of Faculty

• Each Faculty is subdivided into 3-12 Sections, each run by 2-3 Heads of Section

• Each Section comprises between 10 and 50 Faculty Members (mix of gender, nationality and seniority)

• Faculty Members are asked to evaluate 1 or 2 papers each month

• Evaluations are edited by an editorial team and published within 48 hours
On the left hand side we can see that the site is divided into faculties that represent the different areas of medicine.

Click next to the red arrow to see the list of faculty members.
The faculty members can be searched by name, institution or country. Click next to the red arrow to view the faculty members in Oncology.
Heads of Faculty appoint Section Heads. They then appoint Faculty Members who review papers. Click on ‘Browse the Faculties’.
F1000 Biology Core Subject Coverage

Cell Biology
Chemical Biology
Developmental Biology
Ecology
Genetics & Genomics
Physiology
Ecology

Microbiology
Neuroscience
Physiology
Plant Biology
Structural Biology
Immunology
Pharmacology & Drug Discovery
(coming soon)
F1000 Medicine Core subject coverage

ANESTHESIOLOGY & PAIN MANAGEMENT
CARDIOVASCULAR DISORDERS
CRITICAL CARE & EMERGENCY MEDICINE
DERMATOLOGY
DIABETES & ENDOCRINOLOGY
EVIDENCE BASED HEALTH CARE
GASTROENTEROLOGY & HEPATOLOGY
HEMATOLOGY
INFECTIOUS DISEASES

NEPHROLOGY
NEUROLOGICAL DISORDERS
ONCOLOGY
PSYCHIATRY
PUBLIC HEALTH & EPIDEMIOLOGY
RESPIRATORY DISORDERS
RHEUMATOLOGY & CLINICAL IMMUNOLOGY
UROLOGY
WOMEN’S HEALTH
What do Faculty Members do?

• Identify the **most interesting papers they read each month**: any journal, any date (but cannot pick their own papers or reviews)

• Assign one of three **positive Ratings** (Exceptional, Must Read or Recommended) and all relevant **Classifications** (e.g. ‘Technical Advance’, ‘New Finding’) and **Sections**, and then write **Comments** explaining their selection

In F1000 Medicine only:
• Indicate whether the paper has the potential to **change practice**
Click next to the red arrow to view the reviews in psychiatry.
Papers are classified (new finding, hypothesis etc) and categorised (recommended, must read, exceptional) and awarded an F1000 factor. Click the title to view the evaluation.
Sample evaluation of an article

Relevant sections

Classifications

Comments (attributed to Faculty member): “why” they picked this paper and found it interesting.
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Why Faculty of 1000?

Clinicians and researchers are finding it increasingly difficult to keep up with the rapid proliferation of literature. Since 1995, >500,000 new articles a year entered into PubMed!
Faculty Members select for evaluation ~ **6000** articles a year

Representing ~ **2%** of the top (relevant) articles entered into PubMed annually

(although articles not listed in PubMed can also be evaluated)
How did clinicians and researchers cope previously?

- Scanned table of contents of top journals
- Read review articles
- Searched databases
- Talked to colleagues (at work or at conferences)

Faculty of 1000 combines and optimizes these methods to identify important articles easily and quickly
Our two main objectives

1) To highlight important papers in an efficient and time-saving way

2) To redirect the reader to the scientific merits of the paper rather than the journal in which it appears

“Faculty of 1000 Medicine is exactly what researchers and clinicians need to keep up to date with the most important developments in their specialty and related fields.”

Jean-Louis Vincent, Erasme University Hospital, Brussels, Belgium
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Most popular features

• Browse

• My F1000 Medicine email alerts

• Top 10 lists

• Changes practice (f1000 medicine only)

• Advanced search

• Stored search alerts

• PubMed & F1000 Medicine combined searches
Select area of interest here
In Browse you can:

- Export to Endnote/RefManager
- Sort, for example, by classification
My ‘F1000’

Personal customization of the service allows you to define the information you want to view

• Select Faculties and Sections of interest, e.g. Cardiovascular Disorders > ‘Hypertension’

• Select frequency of email alerts of paper evaluations, e.g. weekly, bi-weekly or monthly
My ‘F1000 Medicine’
My F1000: two ways to tailor the site to your interests

1. Stored searches

2. Favorite sections

Recent relevant papers selected by Faculty members
Top 10 lists

- **Top 10**: all key papers in a particular field
- **Most Viewed**: most viewed evaluations during past month
- **Hidden Jewels**: interesting papers from less obvious journals
Top 10 list
For ‘All Medicine’ or for a specific Faculty
Hidden Jewel list
Interesting papers from less obvious journals

   Robinson J, Smith B, Makkashwani N, Schrott H
   J Am Coll Cardiol 2005 Nov;46(10):1855-62 [abstract on PubMed] [related articles]
   [full text] [order article]

2. Randomized trial to determine the effect of nebivolol on mortality and cardiovascular hospital admission in elderly patients with heart failure (SENIORS)
   Flather MD, Shibata MC, ... , Poole-Wilson PA
   Eur Heart J 2005 Feb 26(3):215-25 [abstract on PubMed] [related articles] [order article]
Changes practice
Papers selected by Faculty Members in F1000 Medicine with findings that change the way a clinician should treat their patient

Effect of local lignocaine gel application for pain relief during suction termination of first-trimester pregnancy: a randomized controlled trial.
Li HW, Wong CY, Lo SS, Fan SV
Ann. Reprod. 2006;6(1):4 [abstract published] [related articles] [full text]

Selected by | Pak Chung Ho
Evaluated 27 Mar 2006

Relevant Sections
Additional links
Study questions > Therapy
Study population > Humans | Gender-specific
Article type > Randomized controlled trial

Faculty Comments

Pak Chung Ho
Queen Mary Hospital, China
WOMEN'S HEALTH

Changes Practice

This randomized, placebo-controlled trial showed that the local application of 2% lignocaine gel to the cervix before cervical dilation can reduce the pain during suction termination of first trimester pregnancy.

Suction termination of pregnancy can be performed under local anaesthesia but 97% of women experienced pain during the procedure. With the results of this study, operators will have an additional and simple method to reduce pain during this procedure when it is performed under local anaesthesia.

Competing interests: The study was conducted in the Family Planning Association of Hong Kong, of which P.C.H. is the President, though P.C.H. was not involved in any part of this study.

Evaluate 27 Mar 2006

[Submit this evaluation]
Searching

• Boolean (AND/OR/NOT) on article, title, author, journal name, Faculty Member

• Search by publication date, rating, subject category, type of advance

• Saved searching (Stored searches)
Advanced search
Advanced search results

- **Store the search (and have results regularly emailed)**
- **Look for related articles**
Combined PubMed and F1000 Medicine searches
Clicking on the PubMed link brings you to the abstract.
PubMed includes a F1000 Medicine badge for all evaluated papers.

Use of acetaminophen and the risk of self-reported allergic symptoms and skin sensitization in Butajira, Ethiopia.

Dawit G. Berhane Y. Duncan P. Aref-Adib G. Britton J. Venn A.

Department of Community Health, Addis Ababa University, Addis Ababa, Ethiopia. merraian@hotmail.com

BACKGROUND. Studies in developed countries suggest that acetaminophen use is associated with increased risk of asthma, but it is unclear whether this applies in Ethiopia.

PMID: 16210062 [PubMed - indexed for MEDLINE]
FAQs

What is faculty of 1000 medicine?

Faculty of 1000 Medicine is the next generation literature evaluation and awareness service for medicine. Based on the recommendations of a selected faculty of nearly 2000 leading international researchers and clinicians, it will systematically highlight and review the most pertinent papers in any field of medicine.

Faculty of 1000 Medicine is a highly tailored bibliographic service aimed at:
- Clinicians - highlighting evidence that questions current clinical practice
- Researchers - highlighting important areas of research and drawing attention to new developments relevant to their research interests

Faculty of 1000 Medicine provides:
- Authoritative, timely and comprehensive evaluations produced by a distinguished international evaluation Board
- Continuously updated, insider's guide to the most pertinent papers in any field of medicine
- Immediate rating of individual papers by the author's peers - an important complement to the indirect assessment provided by the journal impact factor
- Papers highlighted on the basis of their scientific merit and clinical relevance, regardless of the reputation of the journal in which it was published
- Systematic organization of the mass of medical literature according to subject keywords rather than journal titles
- Personal customization and email alerts for quick and easy access to evaluations of papers most relevant to your work
- Time-saving search and retrieval facilities, including the ability to store searches

With recommendations from such a large group of leading international researchers and clinicians, Faculty of 1000 Medicine is a must for all those working in medicine.
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“I really like the website! This is a tool that most clinicians and scientists will find extremely useful to keep abreast with the rapid advances in our fields. And it will make this easy, interesting and fun!”

James Crapos,
National Jewish Medical and Research Center,
Denver, Colorado, USA
Faculty of 1000 Biology

“I must say that this is an enormously exciting service. It's like having an entire auditorium full of the best people in the world all sitting in on your weekly journals club!”

David A. Galbraith (Royal Botanical Gardens, Hamilton, Canada)

“The principle (sic) and philosophy of Faculty of 1000 fits exactly with the way I think scientific information should be handled and communicated.”

Thierry Gaude, UMR 5667 CNRS-INRA-ENSL-UCB Lyon, France

“Faculty of 1000 is the most radical publishing idea of recent times. It is much more rational to judge papers individually than to judge them by the impact factor of the journal in which they are published.”

Charles F Stevens, The Salk Institute, California
For more information...

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