Current Top 10

Current Top 10 rankings are generated every day using only the articles recommended in F1000Prime during the preceding 14 days. Articles are ranked according to their total star rating, which is calculated from all the stars awarded to that article by the Faculty. If any articles have the same total rating, then the most recently added article is listed first.

- Reprogramming adult Schwann cells to stem cell-like cells by leprosy bacilli promotes dissemination of infection.
  This article shows how Mycobacterium leprae is able to reprogram Schwann cells, turning them to a stage of stem-like cells. Then, bacteria profit from their migratory properties to...
  8 Recommendations | Carlos Morel and Cristiana Santos de Macedo NEW 19 Dec 2013 | Yoshiko Takahashi and Yuki Atsuta | Guy Zimmerman | Serge Mostowy and Maria J Mazon-Moya | Steven Blanke and Robin Holland | Jacques Neefjes and Jeroen Bakker | Pascale Cossart and Melanie Hamon | Mark Bothwell

- Cerebral organoids model human brain development and microcephaly.
  The cerebral cortex is one of the most complex structures in the body, and it always has been a challenge to model human cortical development and disease in a dish, recapitulating...
  7 Recommendations | Isaac Kohane and Daria Prilutsky 10 Dec 2013 | Carol MacKintosh | Robert Sapolsky | Jian Feng | Maarten van Lohuizen and Gaetano Gargiulo | Elizabeth Cropper and Hongyan Zou | J Victor Garcia-Martinez

- A trial of intraoperative low-tidal-volume ventilation in abdominal surgery.
  This study closes the gap in the surgical setting that lung-protective ventilation is beneficial and should no longer be questioned. Lung-protective ventilation should now be implemented in intermediate-risk and high-risk patients undergoing major abdominal surgery.
  7 Recommendations | Brian Gehlbach NEW 12 Dec 2013 | Michael Ganter | Ronald Pearl and Jim Wong | Bruce Biccard and Reitzel Rodseth | Michael Fessler | Michael O'Connor | Jesús Villar