President’s Message

This year was filled with a large dose of vaccine-related news due to new information regarding the U.S. pertussis outbreak in 2010, as well as a measles outbreak in a Texas church.

A recent study determined that the 2010 U.S. pertussis outbreak was fueled in large part due to vaccine refusal. The measles outbreak in a Newark, TX, church was attributed to parishioners being unvaccinated. An infected traveler from Indonesia visited this church. The church did not encourage vaccination.

In China, the deaths of eight infants after hepatitis B vaccination are being investigated.

The Chinese government suspended the use of the vaccine until the vaccine company’s manufacturing facilities could be examined. This event pushes vaccine safety into the center ring yet again.

Wild polio virus type 1 was detected in Israel over the summer, which lead to the CDC recommending that all travelers to Israel be fully vaccinated against polio. While this news is unsettling, there was no report of human polio cases identified in that region.

This news elucidates our important role as EJVS members to educate the public regarding the importance of vaccination.

Society News

The EJVS is pleased to announce a special partnership with the journal Vaccine. In late 2013, the journal introduced a program for post-doctoral level vaccinologists who are 3-5 years into their careers. The Vaccine and Edward Jenner Vaccine Society Young Investigator Program is an elite group of young scientists who have shown considerable promise in the field of vaccinology. Candidates were nominated by their mentors and departmental chairs at their respective institutions. These candidates will receive invaluable editorial and statistical assistance when submitting papers to Vaccine. They will also enjoy access to quarterly webinars that will cover topics of interest to vaccinologists, and receive free registration to the annual Vaccine and ISV Congress.

In January, the journal will publish the names of the inaugural class of young investigators, along with their biographies and pictures. Each year we hope to add 10 more investigators to the group, and each investigator will be in the group for three years. An editorial about the program will run in one of the first few issues of the journal in 2014.

If you would like to nominate a person for this program, please contact Ingeborg Streng-Ouwelhand, Managing Editor, Vaccine.

What Do You Think?
Let us know what you would like to see in future quarterly newsletter updates. Email Caroline Vitse (vitse.caroline@mayo.edu) with your requests or suggestions. Please let your colleagues know about us and encourage them to join The Edward Jenner Vaccine Society!
**Member Spotlight**

Dr. Luis de la Maza is the Director of the Division of Medical Microbiology at the University of California Irvine. He received his medical degree from the Facultad de Medicina (Spain) in 1966, and received his PhD at the University of Minnesota (U.S.) in 1974. He was born in a small beach village in the north of Spain called Ribadesella. Dr. de la Maza’s father was a physician, and he says he always knew he would follow in his father’s footsteps. Dr. de la Maza studied English in England, and later studied at various hospitals in Germany, England and Canada. It was his positive experience during his time as a medical student in Canada that led him to pursue a research career in the U.S.

His internship in New York paved the way for him to complete his residency training in anatomical and clinical pathology in Boston and Minneapolis. After receiving his PhD, he spent four years at the National Institutes of Health. He is now at the University of California working on vaccinations against chlamydia. Unfortunately, he says, after years of working on the vaccine he and his group can only say: “If you are a mouse we have the vaccine to protect you against chlamydial infections; if you are a human, you are going to have to wait a little bit longer.”

Dr. de la Maza lives in southern California with his wife, and his daughter, who is a teacher, lives nearby. His son, a computer scientist, lives in Boston. Dr. de la Maza enjoys taking trips with his family. He highly recommends Tahiti as a vacation destination, particularly aboard the cruise ship “Paul Gauguin.”

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**Quick Links**

* Check out the CDC’s whooping cough infographic here

* The sixth edition of Vaccines, the textbook published by Elsevier, is available now. EJVS members receive a 25% discount!

* Check out the CDC’s new iPad app here

* The WHO Regional Committee for South-East Asia committed to eliminating measles and controlling rubella and congenital syndrome (CRS) by 2020

* Here is an updated list of vaccine acronyms and abbreviations

* Valuable vaccine information can be found on the Immunization Action Coalition website

* Check out the WHO Global Vaccine Safety Initiative website

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**History of Vaccines**

The worse recorded polio epidemic in U.S. history occurred with 57,628 reported cases.

1952

A rubella epidemic swept the U.S., resulting in 12.5 million cases of rubella infection, an estimated 20,000 newborns with congenital rubella syndrome (CRS), and excess fetal and neonatal deaths in the thousands.

1964
## Top Vaccine News of 2013

**January:** The FDA approves a new seasonal flu vaccine, Flublok

**February:** Nine women working for a polio vaccination drive were shot and killed in Nigeria

**July:**
- Scientists from The University of Manchester revealed the clearest new pictures of immune cells
- The Icahn School of Medicine at Mount Sinai discovered the mechanism behind development of autoimmune hepatitis

**August:**
- Bavarian Nordic receives European marketing authorization for Imvanex smallpox vaccine
- Scientists at the School of Public Health and Community Medicine in Australia published a study that showed the flu vaccine could reduce chance of heart attack for people at cardiac risk

**September:**
- Findings in a study in Clinical and Vaccine Immunology showed that a microneedle patch was developed to deliver the influenza vaccine, and it was 100% effective in mice models
- A new meningitis vaccine was shown to be effective at protecting against epidemic A meningococcal disease in Africa
- Researchers at The Mount Sinai Medical Center developed an innovative system to test how a virus interacts with cells in the

**October:** A new tuberculosis vaccine was developed at McMaster University

**November:**
- Clinical testing begins for a vaccine against Chikungunya fever, developed by Themis Bioscience
- Scientists at Massachusetts General Hospital identified a protein (GEF-H1) that is vital for triggering the immune system’s first response to viral infection

**December:**
- Scientists at Stanford reported promising steps in the development of a “universal” flu vaccine
- Scientists at the Walter Reed Army Institute of Research reported their research regarding building a better malaria vaccine in PLOS Pathogens
- *JAMA Pediatrics* published an article and an accompanying editorial that report the findings of an expert panel convened by the Centers for Disease Control and Prevention regarding measles elimination. The panel determined that “elimination of endemic measles, rubella, and congenital rubella syndrome has been sustained for a decade.” According to this report, the entire Western Hemisphere will be certified free of indigenous transmission.

## Current EJVS Executive Committee Members

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<tr>
<th>Gregory A. Poland, M.D.</th>
<th>Gregory C. Gray, M.D., MPH, FIDSA</th>
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<tr>
<td>President and Founder</td>
<td>U.S. Councilor</td>
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<td>Mayo Clinic Vaccine Research Group</td>
<td>College of Public Health and Health Professions</td>
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<td>University of Florida</td>
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<td>Andree J. Morgan, Ph.D.</td>
<td>Myron M. Levine, M.D., DTPH</td>
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<td>Vice President and Co-Founder</td>
<td>U.S. Councilor</td>
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<td>University of Bristol</td>
<td>University of Maryland School of Medicine</td>
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<td>David Durrheim, Ph.D.</td>
<td>Bernard A.M. Van der Zeijst, Ph.D.</td>
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<td>Australian Councilor</td>
<td>European Councilor</td>
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<td>University of Newcastle</td>
<td>Leiden University Medical Center</td>
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## EJVS Contact Information

<table>
<thead>
<tr>
<th>Jeremy Wadley</th>
<th>Gregory A. Poland, M.D.</th>
<th>More information can be found on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Contact</td>
<td>President and Founder</td>
<td>The Edward Jenner Vaccine Society website.</td>
</tr>
<tr>
<td>507.284.4968</td>
<td><a href="mailto:poland.gregory@mayo.edu">poland.gregory@mayo.edu</a></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:wadley.jeremiah@mayo.edu">wadley.jeremiah@mayo.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caroline Vitse</td>
<td>Andrew J. Morgan, PhD</td>
<td></td>
</tr>
<tr>
<td>Newsletter Editor</td>
<td>Vice President and Co-Founder</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:vitse.caroline@mayo.edu">vitse.caroline@mayo.edu</a></td>
<td><a href="mailto:andy.morgan@bristol.ac.uk">andy.morgan@bristol.ac.uk</a></td>
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