

# **ADJUVANTS**

# Definition

- "Dirty little secrets of the vaccines
- Oily compounds, aluminium salts, virosomes ...

- In order to increase the effectiveness of inactivated vaccines, these vaccines should be administered in such a way to allow them to stay in the body longer and to stimulate the immunological memory.
- In Latin *adjuvare* means to help
- Adjuvants provide:
  1. Antigens to prolong in the site where they have been injected
  2. Better contact with immune system cells
  3. Increase of additional stimulating of molecules on cells

- Discussion of subjects related to adjuvants with students
- What is an adjuvant?
- How and when are the adjuvants invented?
- How and when are the adjuvants used?
- How do we classify adjuvants? What are the types of adjuvants?
- What types of effects do the adjuvants have?
- Do adjuvants have any side effects?