Solving Antibacterial Resistance

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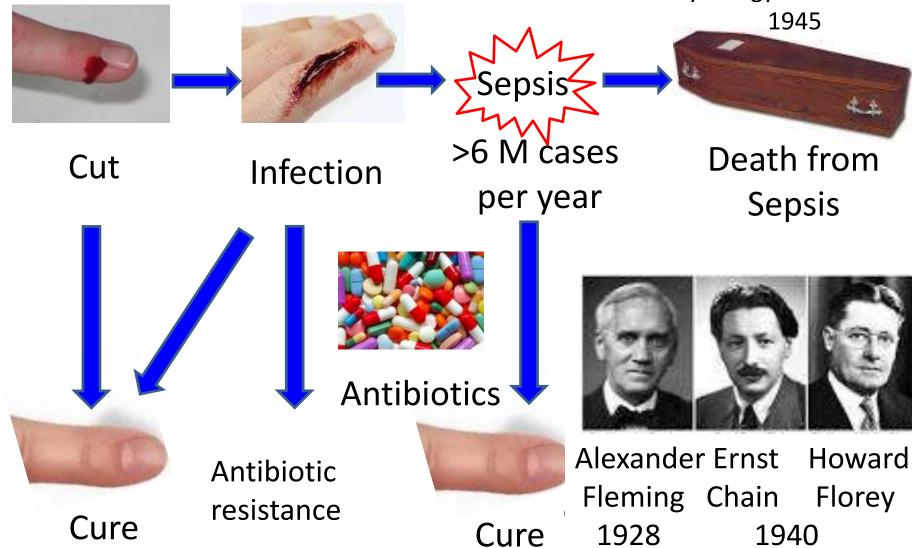
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Blood poisoning (Sepsis)



Physiology and Medicine





Causes of antibiotic resistance

- Natural evolution
- Over-prescription
- Doctors pre- on Unfin: islation on Needs legislation inore Needs advertising or advert
 - Disease prevention (ba



EuCheMS

European Chemical Sciences

What can Europe do?

- Enforce legislation on agricultural processes and imports
- Major publicity campaign (over prescription, completing doses)

Research

- Better understand mechanism of resistance
- Understand spread of resistance between species
- Better, earlier diagnosis => appropriate treatment
- New treatments
- New antibiotics



Proposed European response to AMR

-\$50M

Return on investment

New antibiotic



Musculoskeletal drug ~\$1 bn

EU Funding

- Network of Centres throughout Europe (Alderey Park, UK)
 Structural funds?
- Individual groups with good new ideas
 Horizon 2020

All working together and sharing results **EucheMS** European Chemical Sciences