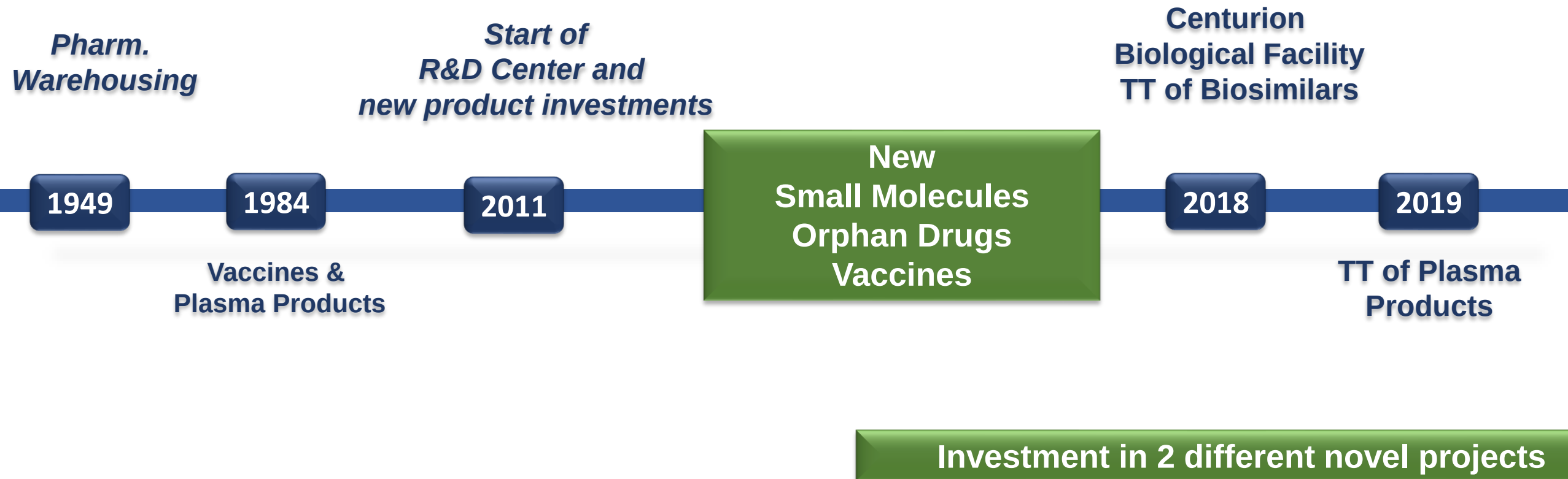




 centurion

2021

History



Collaborations



Bharat Serums & Vaccines Ltd.



Targeted Areas

Biologicals



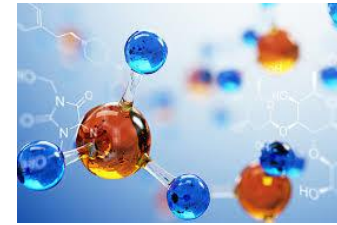
Orphan



Vaccine



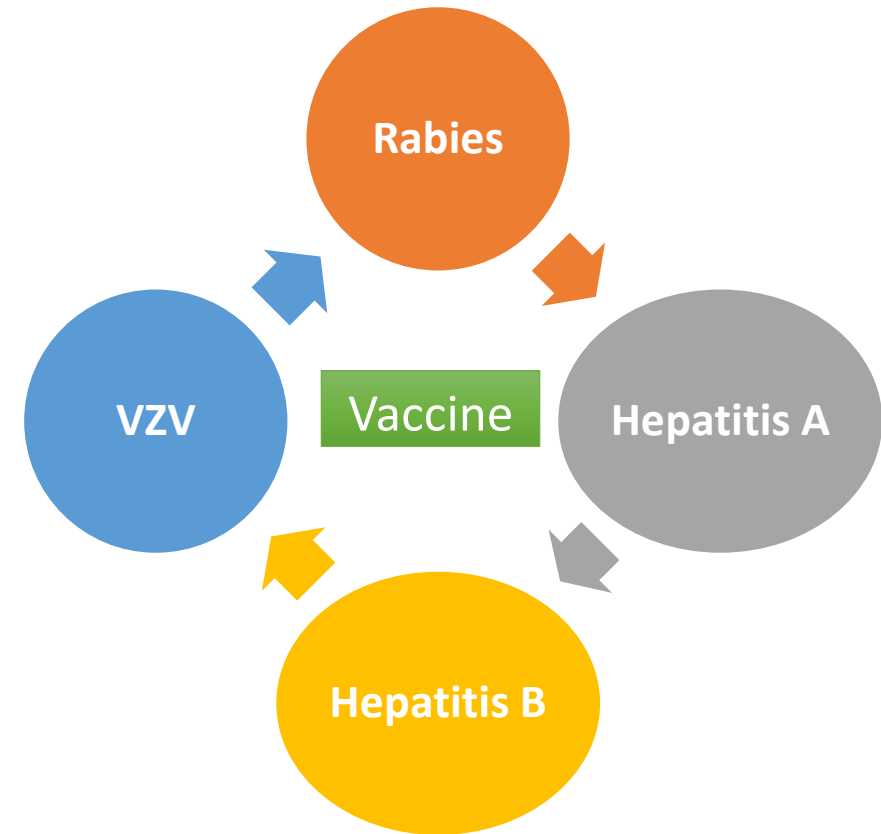
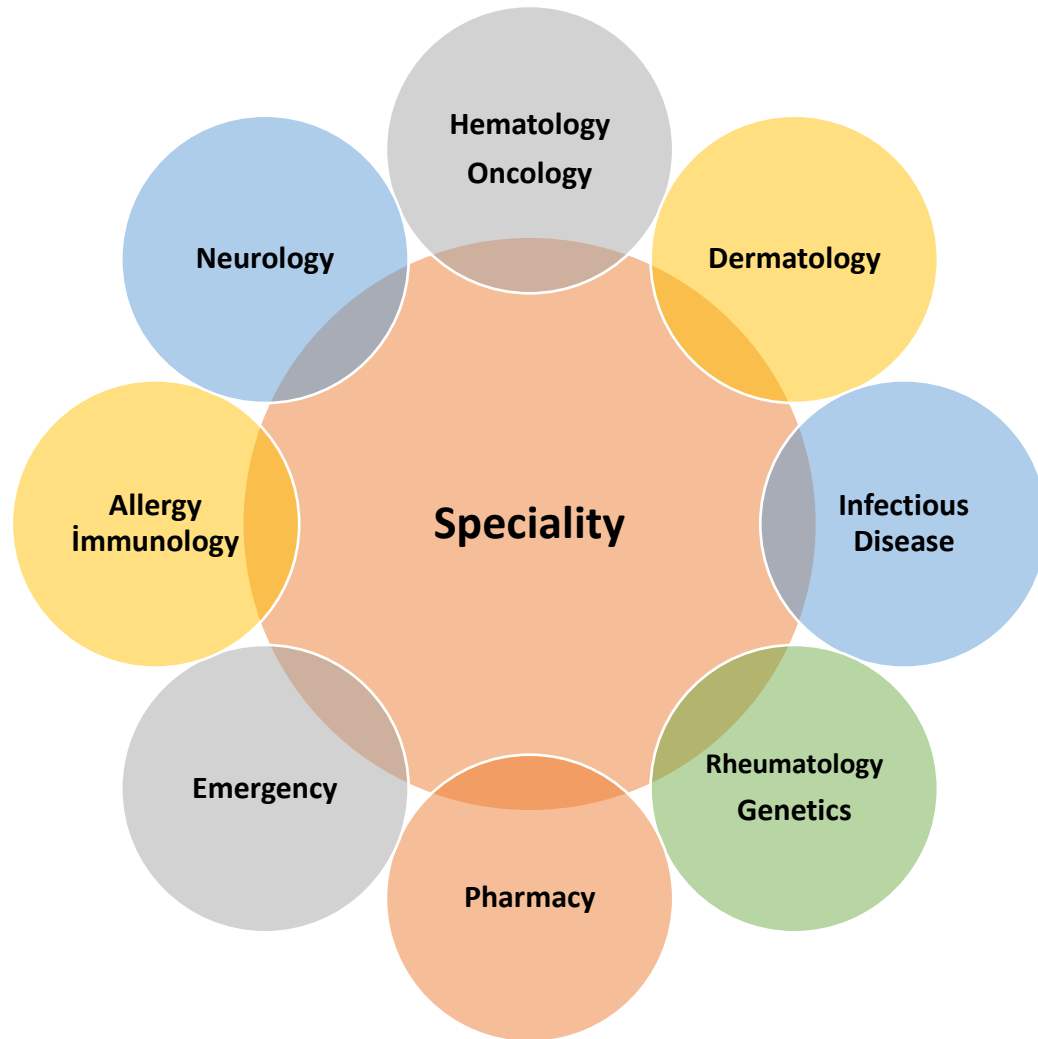
Small Molecules



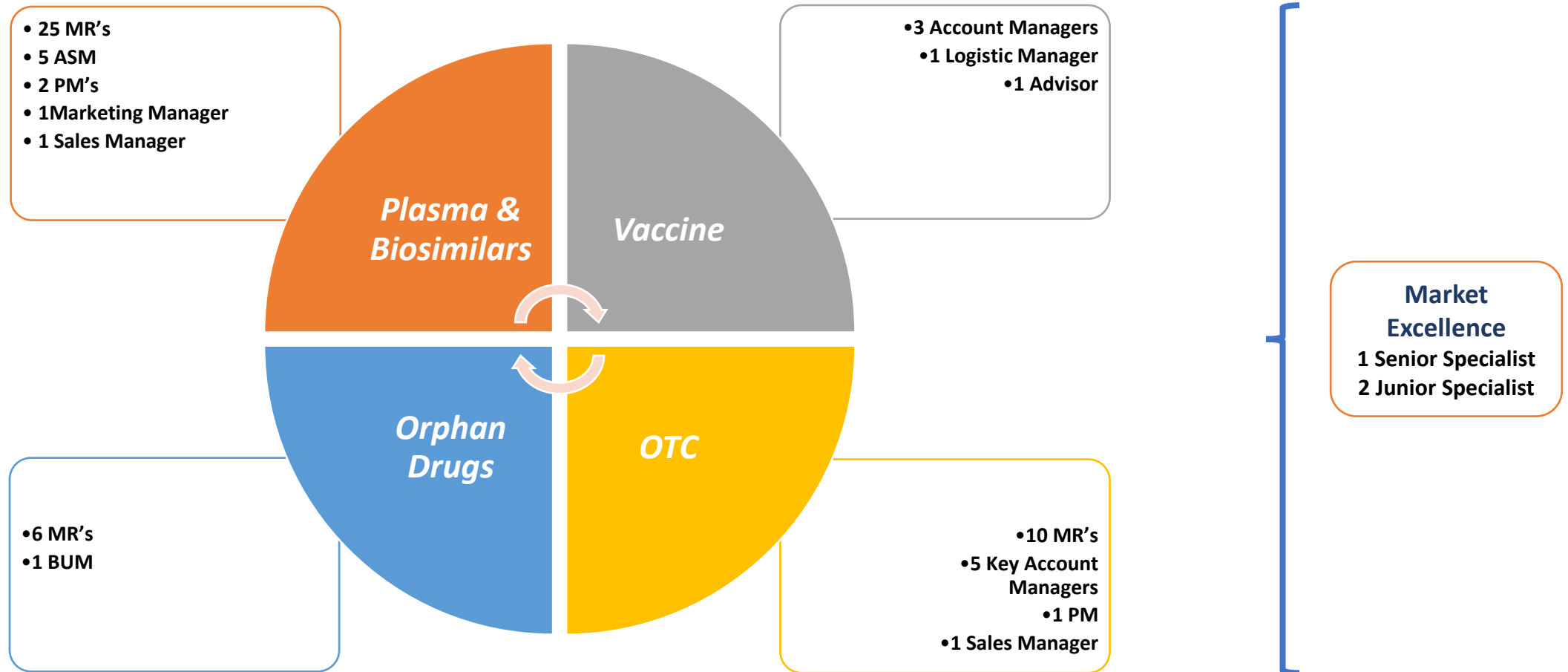
OTC



Target Therapeutic Areas



Business Units



Centurion Facility



First biological facility in the capital city Ankara



2018



centurion



STRATEGIC LOCATION

- At Ankara, capital city of Turkey
- Turkey's leading pharmacy & chemistry faculties
- Science and technology institutions
- Ministries
- Academic support and expertise
- Logistic advantage at the heart of Turkey

FLEXIBILITY IN STERILE MANUFACTURING

- ✓ Liquid Vial (2R-->100ml), 0,3ml-->100ml filling
- ✓ Vial with lyophilization (2R-->30R), 0,3ml--> 15ml filling
- ✓ PFS (1ml long, 1,5ml, 3ml), 0,2ml-->3ml filling
- ✓ Cartridge (3ml)
- ✓ 3L-2.000L working volume



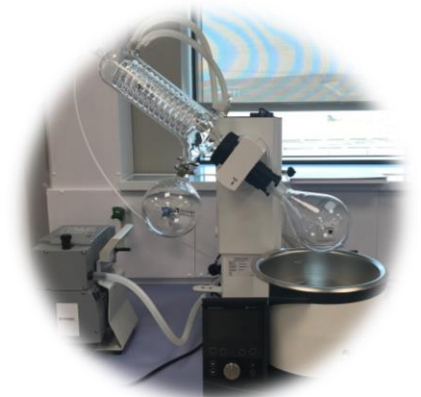
DESIGN +

- **CFR 21 Part 11** compliant automation systems
- Safe production with **A class** equipped with **oRABs**
- Automatic loading and unloading in lyophilization process
- Controlled area class transitions more secure with **Dynamic Pass Box**
- Fully automatic **100%** particle, cosmetic and leakage control
- **UPS** systems that meet full load energy requirements
- **7d/24h** automation management (**BMS**) of all infrastructure systems

Centurion R&D

Total 1100 m² closed area

Microbiology and Cell Culture





WHAT WE DO

Leading the modern treatment to increase quality of life since 1949
Focused on speciality therapeutic areas
Aiming to be a regional leader in pharmaceutical sector

INNOVATION WITHIN OUR DOORS

- ✓ Development of innovative, specific and biological products
- ✓ Investing 5% of net income in R&D
- ✓ 26 new projects
- ✓ Full compliance with GLP

STATE OF THE ART DESIGN

Production of sterile biological, biotechnological and niche generic products
Environmentally friendly
In line with **EU** and **US FDA** guidelines
Certificate from **Turkish GMP**, member of **PICs**



Product Portfolio

Plasma

- Human Albumin
- IVIG
- PCC
- Tetanus Ig
- Hepatitis B Ig
- Human Factor IX
- Variquin
- Covid Hyper Ig

Orphan

- Icatibant
- Idursulfase Beta
- Aviptadil

Biosimilars

- Etanercept
- EPO
- Interferon beta 1a -1b
- Filgrastim
- Pegfilgrastim
- FSH
- Bevacizumab
- Romiplostim
- Cetuximab

Vaccine

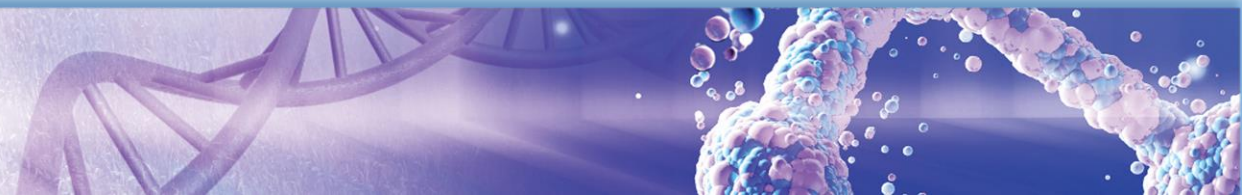
- Varicella Zoster Vaccine
- Rabies Vaccine
- Rabies Antiserum
- Hepatitis A Vaccine
- Hepatitis B Vaccine
- Influenza Vaccine

OTC

- Tadalafil ODF
- Sildenafil ODF
- Lip Iron
- Gelsectan
- Psyllomint

Niche Generics

- | | | | | |
|----------------|----------------|------------------|----------------|-------------------|
| ➤ Tigecycline | ➤ Esomeprazole | ➤ Daptomycin | ➤ Remifentanyl | ➤ Zoledronic acid |
| ➤ Teicoplanin | ➤ Omeprazole | ➤ Vancomycin | ➤ Levosimendan | ➤ Prilocain |
| ➤ Voriconazole | ➤ Pantoprazole | ➤ Anidulafungin | ➤ Sugammadex | |
| ➤ Caspofungin | ➤ Imatinib | ➤ Micafungin | ➤ Gancyclovir | |
| ➤ Heparin | ➤ Colimycin | ➤ Colistimethate | ➤ Rabeprazole | |
| ➤ Paracetamol | ➤ Epinephrine | ➤ Ibuprofen | ➤ Baclofen | |



Thank you



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