

# SCHOOL OF APPLIED MEDICAL SCIENCES

## INDUSTRY LINKS CAPABILITIES AND COMPETENCIES

### Industrial zone

- Innovation lab for prototyping and testing equipment
- Host industrial projects
- Working spaces or small offices for industry sponsored projects

### Research and Development

- Innovation in drug delivery systems
- Material sciences / compatibility... etc

### Production unit

- Scaling up and development

### Troubleshooting

- Find and solve technical problems in production, utilities and waste treatment units
- Solve energy problems

### Quality Control

- Analytical methods / training and validation
- Environmental aspects / water treatment

### Medicinal chemistry (API towards synthesis)

- Training software for design
- Extraction of active ingredients from plants

### Training

- Technical support
- Training employees to understand theory behind practical work
- Training on instrumental methods of analysis

### Microbiology

- Antibiotic resistance surveillance for development of new antibiotics
- Set recommendations for MOH for vaccination based on results of surveillance studies
- Training of academic and doctors for methodology in other countries where their results are necessary for industry

### Modeling and simulation (static and dynamic)

- Dynamic systems, structural

### Artificial limbs

- Design, modeling, manufacturing

### Noise detection

- Industrial noise

## CONTACT INFO

School of Applied Medical Sciences  
German Jordanian University  
P.O.Box 35247  
11180 Amman – Jordan

Dr. Ziad Abuelrub  
Assistant Professor  
ziad.abuelrub@gju.edu.jo  
+962 78 7687533