

Prof GAO Yonggui

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My lab focus on:

1. Structure and function of protein translation, regulation, and quality control in response to stress (like antimicrobial resistance, and ribosome-targeted new strategy of drug discovery)
2. Mammalian RNA modification & ribosome biogenesis and its dysregulation in disease (cancer)
3. Viral internal ribosome entry site (IRES)-mediated protein translation

Main methodologies:
Structural methods with
combinative approaches

- Cryo-EM
- X-ray crystallography
- Biochemical approaches
- Biophysical approaches
- Micro-bioengineering

(Lab location: Experimental Medicine Building, Level 6) (SBS/NISB)