



BS BIOLOGICAL SCIENCES

Sir Mughal · Sir Jawad

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<https://chat.whatsapp.com/DWXwJpXahbxFVQuty8JXN>

BIF604-Special Topics in Bio-informatics

MOST IMPORTANT LESSONS FOR MIDTERM

By

SHAHZAIB SHABBIR

(TEAM MEMBER BS BIOLOGICAL SCIENCES GROUP)

📞 ***0330-8553704***

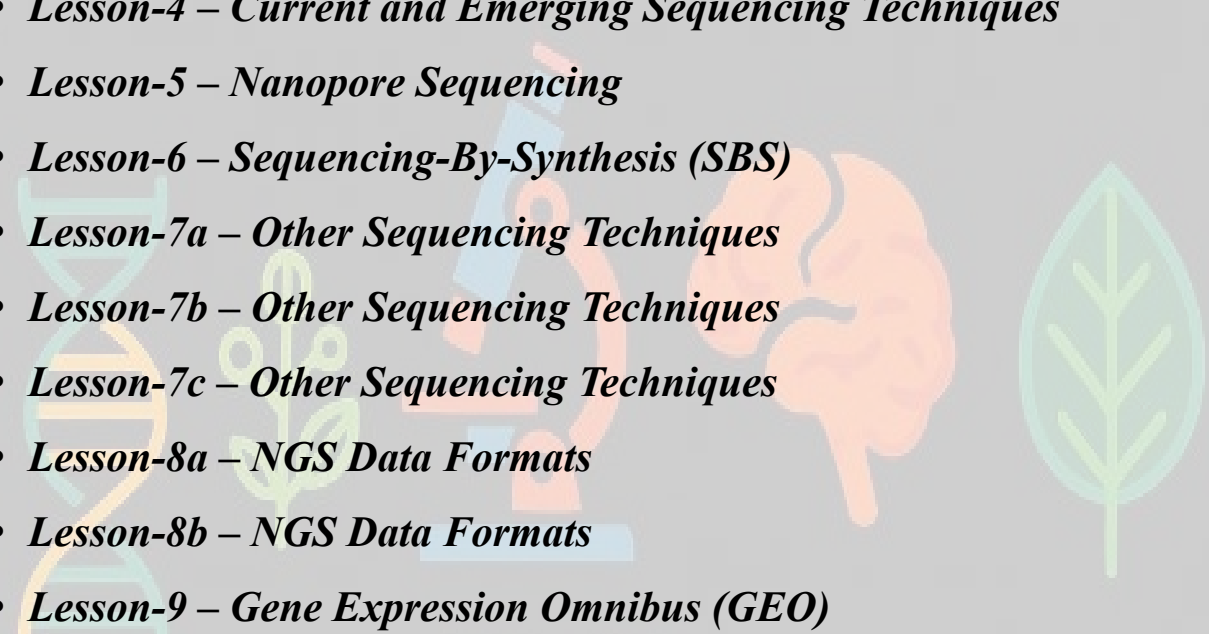
📞 ***MOST IMPORTANT LESSONS FOR MIDTERM:***

- ***Lesson-1 – Instructor Introduction***
- ***Lesson-3 – Next Generation Techniques***

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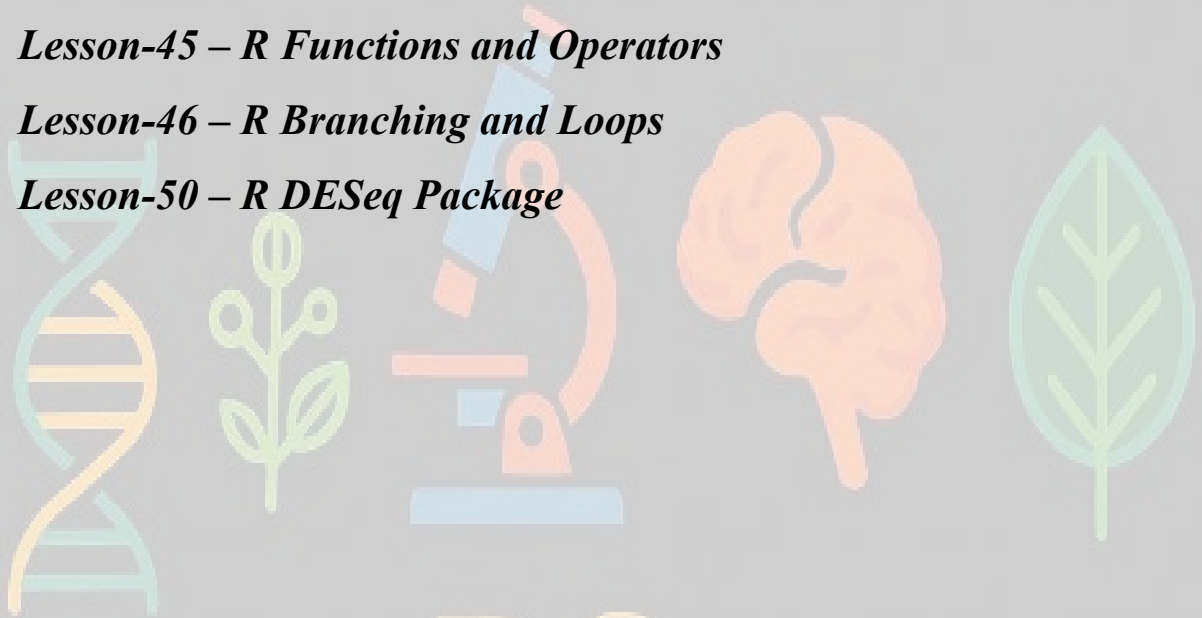
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- *Lesson-4 – Current and Emerging Sequencing Techniques*
 - *Lesson-5 – Nanopore Sequencing*
 - *Lesson-6 – Sequencing-By-Synthesis (SBS)*
 - *Lesson-7a – Other Sequencing Techniques*
 - *Lesson-7b – Other Sequencing Techniques*
 - *Lesson-7c – Other Sequencing Techniques*
 - *Lesson-8a – NGS Data Formats*
 - *Lesson-8b – NGS Data Formats*
 - *Lesson-9 – Gene Expression Omnibus (GEO)*
 - *Lesson-15 – GTF Files*
 - *Lesson-17 – GALAXY Tool Introduction*
 - *Lesson-18 – GALAXY Tool Module-I*
 - *Lesson-22 – GALAXY Tool Module-III Format Conversion*
 - *Lesson-24 – FastQ Quality Control*
 - *Lesson-26 – TopHat Parameters*
 - *Lesson-27 – Assembly via CuffLinks*
 - *Lesson-28 – Variant Calling (Gene/Genome Variants)*
 - *Lesson-29 – Variant Calling in Galaxy*
 - *Lesson-30 – Linux Introduction*
 - *Lesson-31 – Linux Introduction: Basic Commands*
 - *Lesson-42 – R Variables and Vectors*

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- *Lesson-44 – R Data Types and Subsetting*
- *Lesson-45 – R Functions and Operators*
- *Lesson-46 – R Branching and Loops*
- *Lesson-50 – R DESeq Package*



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Good Luck ☺

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Join Us!

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GROUP FOR STUDENTS

- ✓ BS (Hons) Zoology
- ✓ BS (Hons) Biotechnology
- ✓ BS (Hons) Bioinformatics

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