##### Faculty of Medicine, Medical Direction, Second year

##### Basic of Medical Genetics (LECTURES) 2024/2025

Godz. 07.45-09.15

**Lecture hall B,** . M.Curie-Skłodowskiej 9 (biblioteka),

Wyj. tydz. 8 w w auli DS3 ul. Powst. Wielk 46

**(week 1-8)**

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| 07.10. | 14.10. | 21.10. | 28.10. | 04.11. | 13.11.\* | 18.11. | 25.11. |

1. Down syndrome as an example of genotype – phenotype correlation. Rare diseases. **07.10.2024 (OH)**
2. Sex determination and diagnostics. **14.10.20234 (MP)**
3. Monogenic diseases. **21.10.2024 (MP)**
4. Parental imprinting. Uniparental disomy (UPD). **28.10.2024 (OH)**
5. Genetic counseling **04.11.2024 (MP)**
6. Mechanism of ageing **13.11.2024\* (środa) (MP)**
7. Genetic basis of cancer (part I). **18.11.2024 (OH)**
8. Genetic basis of cancer (part II). **25.11.2024 (OH)**

**The order of topics may be changed.**

**Basic literature:**

1. Tobias E.S., Connor M., Ferguson - Smith M.: Medical Genetics. 6th Edition. Wiley-Blackwell 2011.

2. Jorde L.B., Carey J.C., Bamshad M.J.: Medical Genetics. 6th Edition. Elsevier 2019.

**Complementary literature:**

1. Jones K., Jones M., del Campo M. Atlas malformacji rozwojowych według Smitha. Medipage 2018

2. Lupski J.R., Stankiewicz P.: Genomic Disorders. Humana Press Inc. 2006.

2. Richards J.E., Hawley R.S.: The Human Genome. A User's Guide. Elsevier 2010.

3. Strachan T., Read A.: Human Molecular Genetics. 4th Edition. Garland Science 2018.