



CSMM Genius Genetics Quiz 2020

For the eighth consecutive year, the Cyprus School of Molecular Medicine (CSMM), a School of the Cyprus Institute of Neurology and Genetics (CING) is offering an exclusive opportunity to high-school students with an interest in human biology topics which are associated with the activities of the Institute, to win a placement at the CING and experience from first-hand the high calibre work conducted by the Institute's leading scientists and to be involved in the process of diagnosing and researching hereditary diseases. The winning students will be treated to the opportunities reserved only for the MSc and PhD students of the Cyprus School of Molecular Medicine.

Entrants: The Competition welcomes entries from high school students from public and private schools. Each school is allowed to participate with a maximum of 3 teams. The team or teams must be made up of two to three high-school students (**AS Level and A' Level**) with a keen interest in biology. The school may choose a mixed team/teams of high school and/or younger high-school students. This decision is at the School's own discretion.

Quiz Description:

The quiz consists of **30 questions** and each team must bring **ONE wifi-enabled device (tablet/laptop)** to use, as the quiz for the second time will be conducted using the **Socrative web site** instead of written question papers as was the case in the past.

Teachers and students may access the Socrative website in order to familiarise themselves with the software which will be used on the day of the quiz. Link: **www.socrative.com**

Some questions will require a one-word answer, while other questions will be multiple choice (1 point for each correct option).

- **Each correct answer will be worth (1) point**
- **Each unanswered question will be worth (0) points**
- **Each incorrect answer will be worth (0) points**

Participants may answer the questions in **Greek or in English**.

All questions must be answered within 30 minutes.

At the end of the 30-minute period, the correct answers will be shown on a screen in the Institute's Amphitheatre so that the participants can see the correct answers, while simultaneously being able to view their results in real time due to the use of the Socrative online software.

In cases where teams have achieved the same score, the quiz will continue with extra rounds of additional questions until one team achieves the highest score at the end of a round.

IMPORTANT INSTRUCTIONS!

In order to participate in the quiz at the Cyprus Institute of Neurology & Genetics:

- Each team should bring only ONE wifi-enabled device (tablet/laptop) per team
- Screen size should be at least 10"
- No biology content should be saved on the device
- The device should have been tested by the team/teacher in order to ensure compatibility with the Socrative software. A link will be sent to all registered participants to try the software a few days prior to the event.

The Organisers have the right to disqualify any group found to be in violation of the rules and/or using additional means to answer the questions.

In co-operation with the Biology Inspector of the Department of Secondary General Education, the following chapters have been agreed upon as indicative syllabus for the quiz questions. The corresponding AS Level and A'Level chapters to the stated chapters below will be used as reference for the questions and answers in English. The quiz will consist of 30 questions, 25 of which will be syllabus-based, with the remaining 5 questions being based upon topics which reflect the "Genius" title of the quiz.

B1. Η ΧΗΜΕΙΑ ΤΗΣ ΖΩΗΣ

B2. ΤΟ ΚΥΤΤΑΡΟ

B3. ΑΝΑΠΑΡΑΓΩΓΗ

B4. ΔΙΑΧΕΙΡΙΣΗ ΕΝΕΡΓΕΙΑΣ

B5. ΕΤΕΡΟΤΡΟΦΙΚΗ ΔΙΑΤΡΟΦΗ

Γ1. ΟΜΟΙΟΣΤΑΤΙΚΟΙ ΜΗΧΑΝΙΣΜΟΙ

Γ2. ΝΕΥΡΙΚΟΣ ΚΑΙ ΟΡΜΟΝΙΚΟΣ ΣΥΝΤΟΝΙΣΜΟΣ

Γ3. ΜΟΡΙΑΚΗ ΒΙΟΛΟΓΙΑ ΤΟΥ ΓΟΝΙΔΙΟΥ ΚΑΙ ΒΙΟΤΕΧΝΟΛΟΓΙΑ

Γ4. ΚΛΗΡΟΝΟΜΙΚΟΤΗΤΑ

Γ5. ΜΟΛΥΣΜΑΤΙΚΕΣ ΚΑΙ ΜΗ ΜΟΛΥΣΜΑΤΙΚΕΣ ΑΣΘΕΝΕΙΕΣ

Application Procedure:

- 1) Each school must register to take part in the CSMM Genius Genetics Quiz, by completing the Registration Form. Once completed, Registration Forms must be sent via email to csmm@cing.ac.cy Registration Forms are also available via the CSMM website www.cing.ac.cy/csmm/
- 2) When the Registration Form has been received, the CSMM Education Office will contact the School to confirm participation and any other details required.

Entry Fee: Free!

Entry Dates:

Schools must register their interest as explained above by **Friday 27th March 2020 at the latest.**

The Quiz will take place on **Thursday 09th April 2020.** Each team must be present at the Cyprus Institute of Neurology and Genetics on **Thursday 09th April 2020 from 3pm – 5pm,** accompanied by a representative of the School (eg. Biology Teacher, Head Teacher, etc) or parent/guardian.

Prize:

The participants of the winning team will be invited to the Cyprus Institute of Neurology and Genetics to experience from first-hand the high calibre work conducted by the Institute's leading scientists and will observe the process of diagnosing and researching hereditary diseases. This exclusive opportunity will take place during the summer period.

All participants will receive a certificate of participation.

Information:

Cyprus School of Molecular Medicine Education Office - Telephone: [22392843](tel:22392843)

Email: csmm@cing.ac.cy