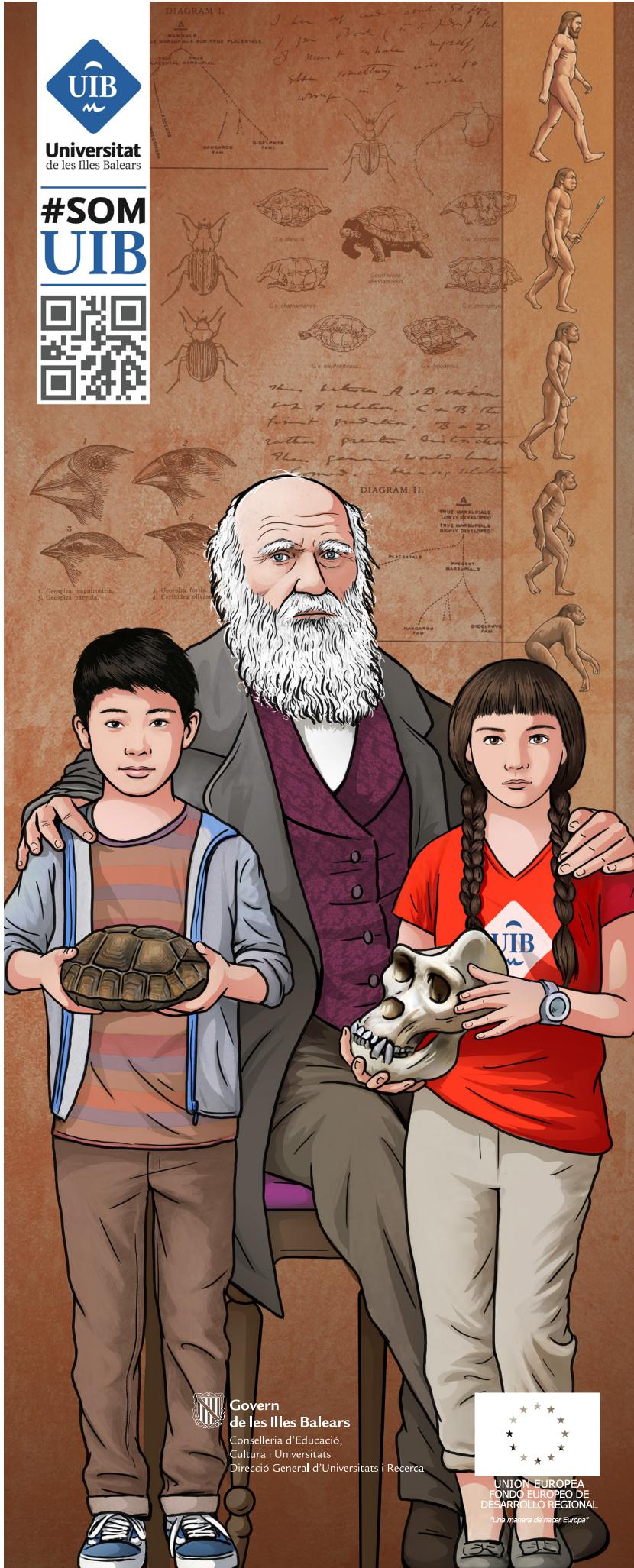




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*Then the conveniently simple result is obtained by assuming that the fluid pressures to equalize the initial pressures round. Now the fluid pressures due to the attraction of the very large number of molecules towards the middle of the solution are increasingly small compared with the long-range attractions.*

$$\oint \mathbf{E} \cdot d\mathbf{A} = q/\epsilon_0$$

$$\oint \mathbf{B} \cdot d\mathbf{A} = 0$$

$$\oint \mathbf{E} \cdot d\mathbf{s} = -\frac{d\Phi_0}{dt}$$

$$\oint \mathbf{B} \cdot d\mathbf{s} = \mu_0 \epsilon_0 \frac{dI}{dt}$$

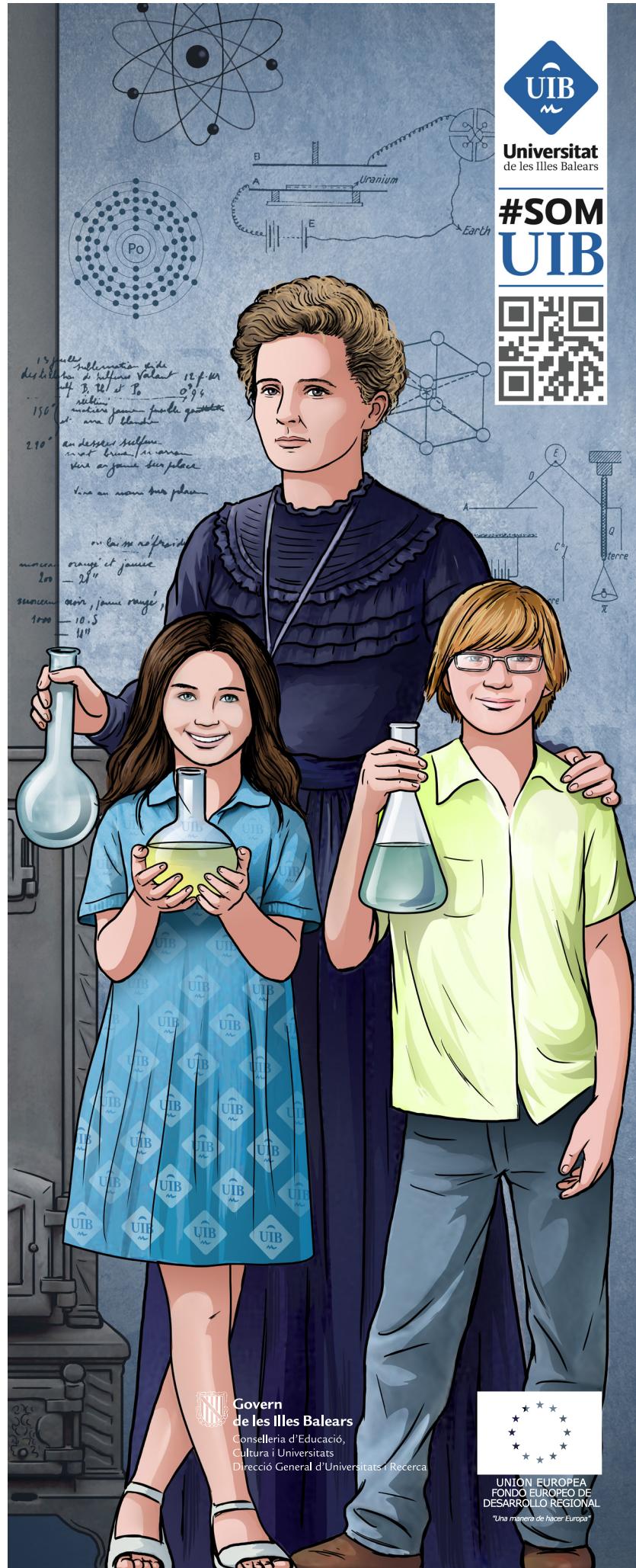
The background features a blue-toned collage of scientific and mathematical diagrams. At the top left is a molecular structure diagram with labels Q, B, and C. To its right is a diagram titled 'Fig. 4.' showing 'Lines of force' and 'Hypotenoidal Surface'. On the far right is a stylized DNA double helix. In the center, a portrait of James Clark Maxwell is shown from the waist up, wearing a brown coat over a purple bow tie and vest. He has a full, bushy beard. Below him, two young students are depicted. A girl on the left holds a wooden-framed board with the text 'Maxwell's Equations' and the equations:  $\nabla \cdot \mathbf{D} = \rho$ ,  $\nabla \cdot \mathbf{B} = 0$ ,  $\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$ , and  $\nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t}$ . A boy on the right holds a hand fan with a color wheel (rainbow) pattern. The bottom of the image contains logos and text for the Government of the Balearic Islands, the Conselleria d'Educació, Cultura i Universitats, the Direcció General d'Universitats i Recerca, and the European Union (Union Europea, Fondo Europeo de Desarrollo Regional). It also includes the quote "Una manera de hacer Europa".





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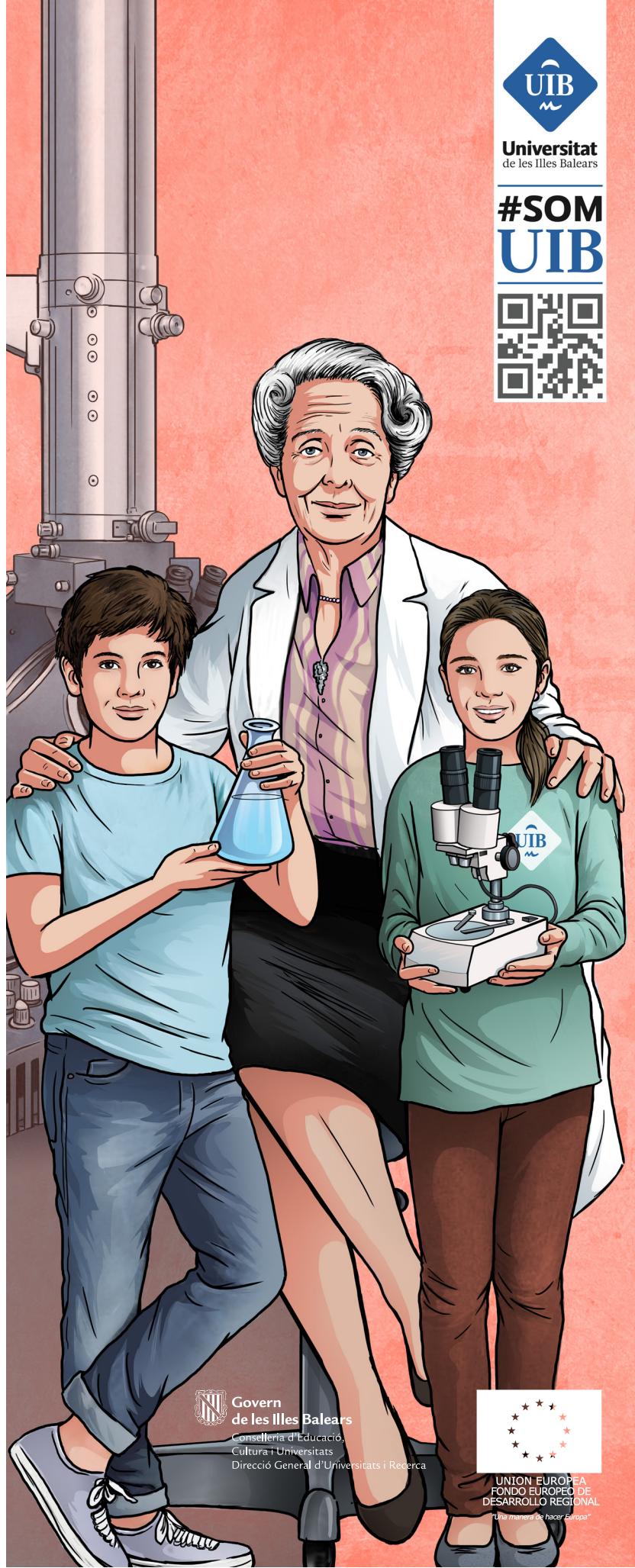


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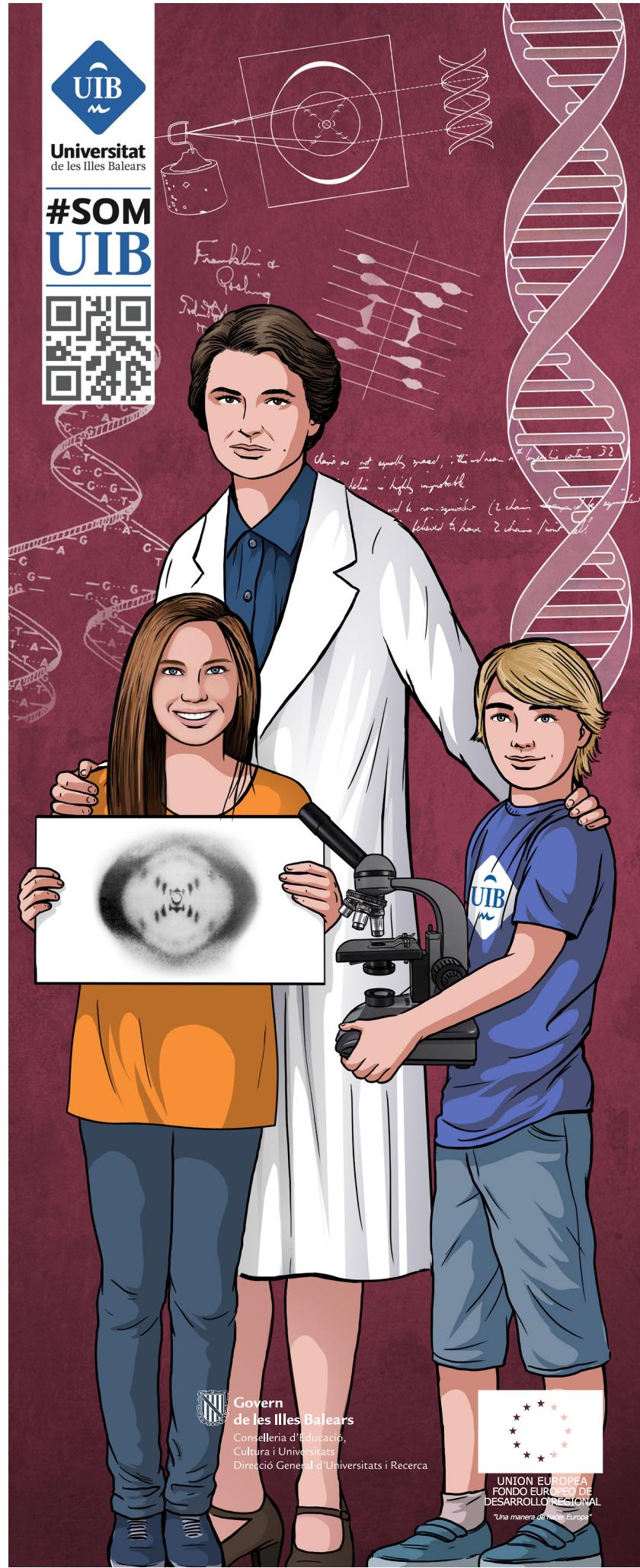
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