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(57) Abstract: Retinal progenitors and mature photoreceptor cells can be produced by differentiating human embryonic stem cells on a surface having a laminin matrix thereon made of two laminins. One laminin is laminin-521, and the other laminin is either laminin-323 or laminin-523. Stem cells plated on this substrate can be differentiated using various cell culture mediums to obtain the retinal progenitors and mature photoreceptor cells.

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