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Nota di contenuto	6.1 Embryonic Stem Cells 6.1.1 Energetic Profile during Embryonic Development; 6.1.2 Energy Production in ESCs; 6.1.3 Other Energetic Pathways Important for the Energetic Homeostasis in ESC; 6.1.4 Nutrient-Sensing Pathways That Coordinate Energy Metabolism with Stem Cell Function; 6.1.4.1 mTOR; 6.1.4.2 AMPK and LKB1; 6.1.4.3 FOXOs; 6.2 Adult Stem Cells; 6.2.1 Energetic Profile of HSCs; 6.2.1.1 mTOR; 6.2.1.2 AMPK and LKB1; 6.2.1.3 FOXOs; 6.2.2 Other Adult Stem Cells; 6.2.2.1 Neural Stem Cells; 6.2.2.2 Muscle Stem Cells; 6.2.2.3 Mesenchymal Stem Cells; 6.3 Oxidative Status of the Stem Cells 6.3.1 ROS and RNS: Origins and Features