

Genetic Profile and Functional Proteomics of Anal Squamous Cell Carcinoma: Proposal for a Molecular Classification

Authors

Lucía Trilla-Fuertes, Ismael Ghanem, Angelo Gámez-Pozo, Joan Maurel, Laura G-Pastrían, Marta Mendiola, Cristina Peña, Rocío López-Vacas, Guillermo Prado-Vázquez, Elena López-Camacho, Andrea Zapater-Moros, Victoria Heredia, Miriam Cuatrecasas, Pilar García-Alfonso, Jaume Capdevila, Carles Conill, Rocío García-Carbonero, Ricardo Ramos-Ruiz, Claudia Fortes, Carlos Llorens, Paolo Nanni, Juan Ángel Fresno Vara, and Jaime Feliu

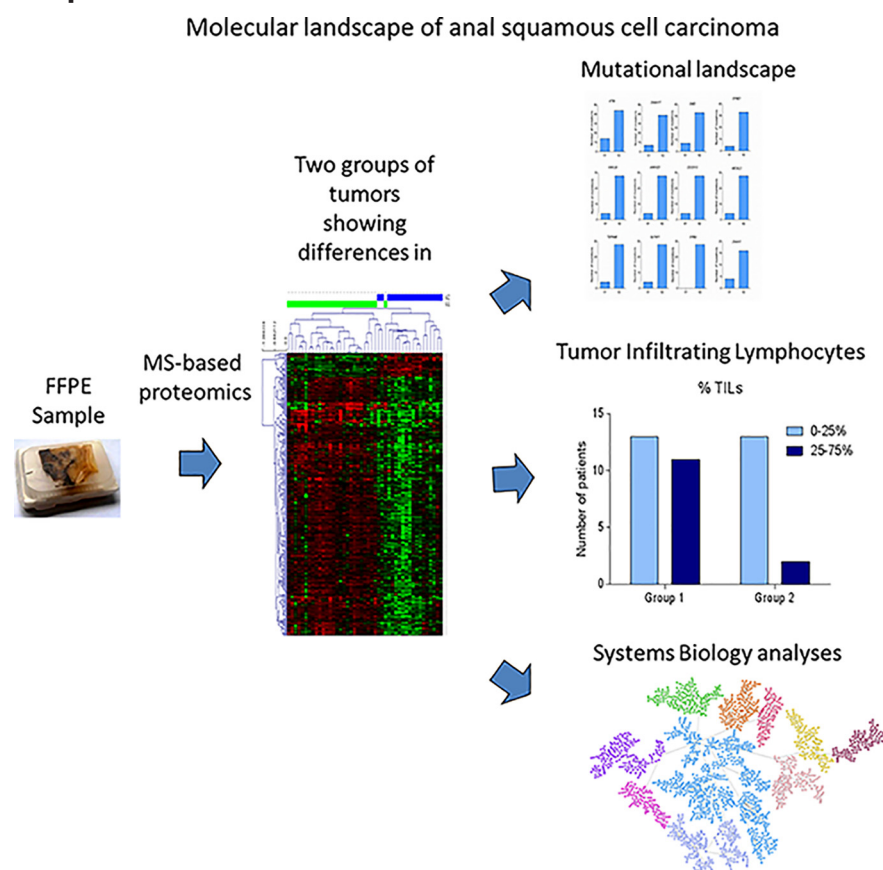
Correspondence

jaimefeliu@hotmail.com

In Brief

Anal squamous cell carcinoma is a rare tumor and the treatment standards have not suffered any improvement since 1970s. For this reason, a molecular characterization of the disease is still necessary. In this work, two molecular groups with a different protein and genetic profile were described. Additionally, some of these differences suggested biological processes that may be therapeutic targets.

Graphical Abstract



Highlights

- Two molecular groups in anal squamous carcinoma according proteomic profile.
- Differences in possible targeted processes such as metabolism or immune response.
- Different percentage of tumor lymphocyte infiltration.
- Difference in the frequency of *ATM* variants, related to PPAR inhibitors.

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