

CURRICULUM VITAE



ESTER DEL DUCA, MD, PhD

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Nazionalità Italiana

ESPERIENZA LAVORATIVA

2023 Clinical Instructor
Department of Dermatology, Icahn School of Medicine at Mount Sinai.

2019 –2023 Post- Doctoral fellow
Department of Dermatology, Center for Excellence in Eczema and the Laboratory of Inflammatory Skin Diseases, Icahn School of Medicine at Mount Sinai.

EDUCAZIONE

2019-2023 Dottorato di Ricerca
Dottorato in scienze della vita, XXXV ciclo, curriculum: scienze immunologiche, infettivologiche, dermatologiche e della salute pubblica, conseguito presso: Università di Magna Graecia di Catanzaro. Titolo del progetto: "Skin and blood biomarkers of atopic dermatitis in different pediatric agegroups: the molecular evolution from infancy to adulthood"

Giugno 2022 Abilitazione Scientifica Nazionale (ASN)
Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 06/D4: "malattie cutanee, malattie infettive e malattie dell'apparato digerente"

2015 –2019 Specializzazione in Dermatologia e Venereologia
Department of Dermatology of the University of Rome "Tor Vergata", Rome, Italy.
Voto finale: 50/50 summa cum Laude

05/2018 – 11/2018 Research Fellowship
Department of Dermatology, Icahn School of Medicine at Mount Sinai.
PI Dr. Emma Guttman. Project title: Inflammatory pathways of Atopic Dermatitis.

Luglio 2014 Abilitazione professione medica
"Università Campus Bio-Medico di Roma", Rome, Italy.
Voto Finale: 267.5 out of 270

2008 –2014 Laurea Magistrale in Medicina e Chirurgia
Università "Campus Bio-Medico di Roma", Rome, Italy.
Voto Finale: 110/110 summa cum Laude

ESPERIENZA DIDATTICA

2022	Docente al Master Universitario per studenti laureati (Livello II) del corso di laurea magistrale "Laser in Dermatologia" Svolto presso l'Università di Roma "La Sapienza," Roma, Italia.
2020-2023	Docente qualificato e tutor per studenti presso il Mount Sinai per studenti di medicina del terzo anno. Icahn School of Medicine at Mount Sinai- New York, NY, USA and at the laboratory of Inflammatory Skin Diseases at Mount Sinai
2022 – ongoing	Docente invitato in Dermofarmacologia nel programma di laurea in farmacia in inglese. Dipartimento di Farmacologia dell'Università di Roma "Tor Vergata," Roma, Italia.
05/2018 – 11/2018	"Cultore della materia" facoltà di Medicina e Chirurgia (MED/35) presso la Scuola di Medicina Magna Graecia. Lezioni in Dermatologia e Venereologia presso la Scuola di Medicina Magna Graecia dell'Università di Magna Graecia, Catanzaro, Italia

ELENCO DELLE PUBBLICAZIONI SCIENTIFICHE

1. [Hyperactivation of the JAK2/STAT5 Signaling Pathway and Evaluation of Baricitinib Treatment Among Patients With Eosinophilic Cellulitis.](#)
Morot J, Del Duca E, Chastagner M, Fernandes M, Estrada Y, Lefevre MA, Kanitakis J, Harou O, Jullien D, Nicolas JF, Krueger JG, Vocanson M, Guttman-Yassky E, Villani AP.
JAMA Dermatol. 2023 Jun 21:e231651. doi: 10.1001/jamadermatol.2023.1651. Online ahead of print.
PMID: 37342057 Free PMC article.
2. [Repurposing DPP4-Inhibition to Improve Hair Follicle Activation and Regeneration.](#)
Helm M, Schmidt M, Del Duca E, Liu Y, Mortensen LS, Loui J, Zheng Y, Binder H, Guttman-Yassky E, Cotsarelis G, Simon JC, Ferrer RA.
J Invest Dermatol. 2023 May 24:S0022-202X(23)02073-0. doi: 10.1016/j.jid.2023.04.027. Online ahead of print.
PMID: 37236597
3. [TFOS Lifestyle: Impact of cosmetics on the ocular surface.](#)
Sullivan DA, da Costa AX, Del Duca E, Doll T, Grupcheva CN, Lazreg S, Liu SH, McGee SR, Murthy R, Narang P, Ng A, Nistico S, O'Dell L, Roos J, Shen J, Markoulli M.
Ocul Surf. 2023 Apr 13;29:77-130. doi: 10.1016/j.jtos.2023.04.005. Online ahead of print.
PMID: 37061220
4. [Crisaborole reverses dysregulation of the mild to moderate atopic dermatitis proteome toward nonlesional and normal skin.](#)
Kim M, Del Duca E, Cheng J, Carroll B, Facheris P, Estrada Y, Cha A, Werth J, Bissonnette R, Nocka K, Zang C, Pavel AB, Guttman-Yassky E.
J Am Acad Dermatol. 2023 Apr 11:S0190-9622(23)00542-X. doi: 10.1016/j.jaad.2023.02.064. Online ahead of print.
PMID: 37054814
5. [Age of onset defines two distinct profiles of atopic dermatitis in adults.](#)
Facheris P, Da Rosa JC, Pagan AD, Angelov M, Del Duca E, Rabinowitz G, Gómez-Arias PJ, Rothenberg-Lausell C, Estrada YD, Bose S, Chowdhury M, Shemer A, Pavel AB, Guttman-Yassky E.
Allergy. 2023 Apr 9. doi: 10.1111/all.15741. Online ahead of print.
PMID: 37032461
6. [Atopic Dermatitis and Ulcerative Colitis Successfully Treated with Upadacitinib.](#)
Grieco T, Caviglia M, Cusano G, Sernicola A, Chello C, Del Duca E, Cantisani C, Taliano A, Sini N, Ianiro G, Pellacani G.
Medicina (Kaunas). 2023 Mar 10;59(3):542. doi: 10.3390/medicina59030542.
PMID: 36984542 Free PMC article.
7. [The translational revolution in atopic dermatitis: the paradigm shift from pathogenesis to treatment.](#)
Facheris P, Jeffery J, Del Duca E, Guttman-Yassky E.
Cell Mol Immunol. 2023 May;20(5):448-474. doi: 10.1038/s41423-023-00992-4. Epub 2023 Mar 16.
PMID: 36928371 Free PMC article. Review.
8. [Proteomic characterization of atopic dermatitis blood from infancy to adulthood.](#)
Del Duca E, Renert-Yuval Y, Pavel AB, Mikhaylov D, Wu J, Lefferdink R, Fang M, Sheth A, Blumstein A, Facheris P, Estrada YD, Rangel SM, Krueger JG, Paller AS, Guttman-Yassky E.
J Am Acad Dermatol. 2023 May;88(5):1083-1093. doi: 10.1016/j.jaad.2022.12.050. Epub 2023 Feb 10.
PMID: 36773824
9. [The evolving landscape of biologic therapies for atopic dermatitis: Present and future perspective.](#)
David E, Ungar B, Renert-Yuval Y, Facheris P, Del Duca E, Guttman-Yassky E.
Clin Exp Allergy. 2023 Feb;53(2):156-172. doi: 10.1111/cea.14263. Epub 2023 Jan 18.
PMID: 36653940 Review.
10. [IgG memory B cells expressing IL4R and FCER2 are associated with atopic diseases.](#)
Aranda CJ, Gonzalez-Kozlova E, Saunders SP, Fernandes-Braga W, Ota M, Narayanan S, He JS, Del Duca E, Swaroop B, Gnjjatic S, Shattner G, Reibman J, Soter NA, Guttman-Yassky E, Curotto de Lafaille MA.
Allergy. 2023 Mar;78(3):752-766. doi: 10.1111/all.15601. Epub 2022 Dec 19.
PMID: 36445014
11. [Scalp biomarkers during dupilumab treatment support Th2 pathway pathogenicity in alopecia areata.](#)

Renert-Yuval Y, Pavel AB, Del Duca E, Facheris P, Pagan AD, Bose S, Gómez-Arias PJ, Angelov M, Bares J, Chima M, Estrada YD, Garcet S, Lebwohl MG, Krueger JG, Guttman-Yassky E. Allergy. 2023 Apr;78(4):1047-1059. doi: 10.1111/all.15561. Epub 2022 Nov 5. PMID: 36271804 Clinical Trial.

12. [Delayed type hypersensitivity reactions to various allergens may differently model inflammatory skin diseases.](#)
Pavel AB, Del Duca E, Cheng J, Wu J, Ungar B, Estrada YD, Jack C, Maari C, Proulx ÉS, Ramirez-Valle F, Krueger JG, Bissonnette R, Guttman-Yassky E. Allergy. 2023 Jan;78(1):178-191. doi: 10.1111/all.15538. Epub 2022 Oct 8. PMID: 36178084
13. [Dupilumab Treatment in Children Aged 6-11 Years With Atopic Dermatitis: A Multicentre, Real-Life Study.](#)
Napolitano M, Fabbrocini G, Neri I, Stingeni L, Boccaletti V, Piccolo V, Amoroso GF, Malara G, De Pasquale R, Di Brizzi EV, Diluvio L, Bianchi L, Chiricozzi A, Di Guida A, Del Duca E, Moschese V, Di Lernia V, Dragoni F, Gruber M, Hansel K, Licari A, Manti S, Leonardi S, Mastorino L, Ortoncelli M, Provenzano E, Palermo A, Patella V, Peduto T, Pezzolo E, Piras V, Potestio L, Battista T, Satta R, Termine S, Palma P, Zangari P, Patruno C. Paediatr Drugs. 2022 Nov;24(6):671-678. doi: 10.1007/s40272-022-00531-0. Epub 2022 Aug 27. PMID: 36028611 Free PMC article.
14. [Distinct skin microbiome community structures in congenital ichthyosis.](#)
Tham KC, Lefferdink R, Duan K, Lim SS, Wong XFCC, Ibler E, Wu B, Abu-Zayed H, Rangel SM, Del Duca E, Chowdhury M, Chima M, Kim HJ, Lee B, Guttman-Yassky E, Paller AS, Common JEA. Br J Dermatol. 2022 Oct;187(4):557-570. doi: 10.1111/bjd.21687. Epub 2022 Jul 4. PMID: 35633118
15. [Transcriptomic Analysis of the Major Orphan Ichthyosis Subtypes Reveals Shared Immune and Barrier Signatures.](#)
Kim M, Mikhaylov D, Rangel SM, Pavel AB, He H, Renert-Yuval Y, Del Duca E, Malik K, Huynh T, Ibler E, Sun M, Zhang N, Estrada Y, Krueger J, Paller AS, Guttman-Yassky E. J Invest Dermatol. 2022 Sep;142(9):2363-2374.e18. doi: 10.1016/j.jid.2022.03.022. Epub 2022 Apr 11. PMID: 35421402
16. [Apremilast and narrowband ultraviolet B combination therapy suppresses Th17 axis and promotes melanogenesis in vitiligo skin: a randomized, split-body, pilot study in skin types IV-VI.](#)
Kim HJ, Del Duca E, Pavel AB, Singer GK, Abittan BJ, Chima MA, Kimmel G, Bares J, Baum D, Gagliotti M, Genece J, Chu J, Lebwohl MG, Guttman-Yassky E. Arch Dermatol Res. 2023 Mar;315(2):215-221. doi: 10.1007/s00403-022-02343-1. Epub 2022 Mar 13. PMID: 35279741 Clinical Trial.
17. [A phase 2a randomized vehicle-controlled multi-center study of the safety and efficacy of delgocitinib in subjects with moderate-to-severe alopecia areata.](#)
Mikhaylov D, Glickman JW, Del Duca E, Nia J, Hashim P, Singer GK, Posligua AL, Florek AG, Ibler E, Hagstrom EL, Estrada Y, Rangel SM, Colavincenzo M, Paller AS, Guttman-Yassky E. Arch Dermatol Res. 2023 Mar;315(2):181-189. doi: 10.1007/s00403-022-02336-0. Epub 2022 Mar 1. PMID: 35230488 Clinical Trial.
18. [Ritlecitinib and brepocitinib demonstrate significant improvement in scalp alopecia areata biomarkers.](#)
Guttman-Yassky E, Pavel AB, Diaz A, Zhang N, Del Duca E, Estrada Y, King B, Banerjee A, Banfield C, Cox LA, Dowty ME, Page K, Vincent MS, Zhang W, Zhu L, Peeva E. J Allergy Clin Immunol. 2022 Apr;149(4):1318-1328. doi: 10.1016/j.jaci.2021.10.036. Epub 2021 Dec 1. PMID: 34863853 Clinical Trial.
19. [Combined CO₂ and dye laser technique in the treatment of outcomes due to flap necrosis after surgery for basal cell carcinoma on the nose.](#)
Nisticò SP, Bennardo L, Sannino M, Negosanti F, Tamburi F, Del Duca E, Giudice A, Cannarozzo G. Lasers Surg Med. 2022 Apr;54(4):523-529. doi: 10.1002/lsm.23502. Epub 2021 Nov 27. PMID: 34837404
20. [Lymphomatoid drug reaction developed after BNT162b2 \(Comirnaty\) COVID-19 vaccine manifesting as pityriasis lichenoides et varioliformis acuta-like eruption.](#)
Sernicola A, Dybala A, Gomes V, Maddalena P, Adotti F, Soda G, Muharremi R, Fino P, Del Duca E, Grieco

T.

J Eur Acad Dermatol Venereol. 2022 Mar;36(3):e172-e174. doi: 10.1111/jdv.17807. Epub 2021 Nov 24. PMID: 34751995 No abstract available.

21. [Nanosecond Q-Switched 1064/532 nm Laser to Treat Hyperpigmentations: A Double Center Retrospective Study.](#)
Nisticò SP, Cannarozzo G, Provenzano E, Tamburi F, Fazia G, Sannino M, Negosanti F, Del Duca E, Patruno C, Bennardo L.
Clin Pract. 2021 Sep 23;11(4):708-714. doi: 10.3390/clinpract11040086.
PMID: 34698132 Free PMC article.
22. [Management of laser treatments during the coronavirus disease 2019 pandemic: The Italian experience.](#)
Bennardo L, Del Duca E, Dattola A, Cannarozzo G, Nistico SP.
Clin Dermatol. 2021 May-Jun;39(3):521-522. doi: 10.1016/j.clindermatol.2021.01.004. Epub 2021 Feb 16.
PMID: 34518014 Free PMC article. No abstract available.
23. [Transcriptomic Profiling of Tape-Strips From Moderate to Severe Atopic Dermatitis Patients Treated With Dupilumab.](#)
Mikhaylov D, Del Duca E, Olesen CM, He H, Wu J, Ungar B, Estrada Y, Zhang N, Chowdhury M, Clausen ML, Krueger JG, Pavel AB, Agner T, Guttman-Yassky E.
Dermatitis. 2021 Oct 1;32(1S):S71-S80. doi: 10.1097/DER.0000000000000764.
PMID: 34405829
24. [Q-Switched 1064/532 nm Laser with Nanosecond Pulse in Tattoo Treatment: A Double-Center Retrospective Study.](#)
Cannarozzo G, Nisticò SP, Zappia E, Del Duca E, Provenzano E, Patruno C, Negosanti F, Sannino M, Bennardo L.
Life (Basel). 2021 Jul 16;11(7):699. doi: 10.3390/life11070699.
PMID: 34357071 Free PMC article.
25. [Baseline neutrophil/lymphocyte ratio \(NLR\) and red blood cell distribution width \(RDW\) correlate with advanced stages in cutaneous squamous cell carcinoma.](#)
Di Raimondo C, Caposiena Caro RD, Spallone D, Silvaggio D, Lombardo P, Del Duca E, Campione E, Spallone G, Bianchi L.
Int J Dermatol. 2022 Feb;61(2):175-179. doi: 10.1111/ijd.15755. Epub 2021 Jul 2.
PMID: 34212366
26. [The IL-4, IL-13 and IL-31 pathways in atopic dermatitis.](#)
Dubin C, Del Duca E, Guttman-Yassky E.
Expert Rev Clin Immunol. 2021 Aug;17(8):835-852. doi: 10.1080/1744666X.2021.1940962. Epub 2021 Jul 21.
PMID: 34106037 Review.
27. [Blue light-emitting diodes in hair regrowth: the first prospective study.](#)
Lodi G, Sannino M, Cannarozzo G, Giudice A, Del Duca E, Tamburi F, Bennardo L, Nisticò SP.
Lasers Med Sci. 2021 Oct;36(8):1719-1723. doi: 10.1007/s10103-021-03327-9. Epub 2021 Jun 8.
PMID: 34101089
28. [Scalp and serum profiling of frontal fibrosing alopecia reveals scalp immune and fibrosis dysregulation with no systemic involvement.](#)
Dubin C, Glickman JW, Del Duca E, Chennareddy S, Han J, Dahabreh D, Estrada YD, Zhang N, Kimmel GW, Singer G, Chowdhury M, Zheng AY, Angelov M, Gay-Mimbrera J, Ruano Ruiz J, Krueger JG, Pavel AB, Guttman-Yassky E.
J Am Acad Dermatol. 2022 Mar;86(3):551-562. doi: 10.1016/j.jaad.2021.05.016. Epub 2021 May 24.
PMID: 34044102
29. [Proteomic signatures of inflammatory skin diseases: a focus on atopic dermatitis.](#)
Mikhaylov D, Del Duca E, Guttman-Yassky E.
Expert Rev Proteomics. 2021 May;18(5):345-361. doi: 10.1080/14789450.2021.1935247. Epub 2021 Jun 4.
PMID: 34033497 Review.
30. [Immune and barrier characterization of atopic dermatitis skin phenotype in Tanzanian patients.](#)
Lang CCV, Renert-Yuval Y, Del Duca E, Pavel AB, Wu J, Zhang N, Dubin C, Obi A, Chowdhury M, Kim M, Estrada YD, Krueger JG, Kaderbhai H, Semango G, Schmid-Grendelmeier P, Brügggen MC, Masenga JE,

Guttman-Yassky E.
Ann Allergy Asthma Immunol. 2021 Sep;127(3):334-341. doi: 10.1016/j.anai.2021.04.023. Epub 2021 May 9.
PMID: 33975024

31. [Primary Mucosal Melanoma Presenting with a Unilateral Nasal Obstruction of the Left Inferior Turbinate.](#)
Lombardo N, Della Corte M, Pelaia C, Piazzetta G, Lobello N, Del Duca E, Bennardo L, Nisticò SP.
Medicina (Kaunas). 2021 Apr 8;57(4):359. doi: 10.3390/medicina57040359.
PMID: 33917690 Free PMC article.
32. [A plea for standardization of confocal microscopy and optical coherence tomography parameters to evaluate physiological and para-physiological skin conditions in cosmetic science.](#)
Ciardo S, Pezzini C, Guida S, Del Duca E, Ungar J, Guttman-Yassky E, Manfredini M, Farnetani F, Longo C, Pellacani G.
Exp Dermatol. 2021 Jul;30(7):911-922. doi: 10.1111/exd.14359. Epub 2021 May 11.
PMID: 33884663
33. [Combination of Laser Therapy and Photodynamic Therapy with 5-Aminolevulinic Acid Patch for the Treatment of Actinic Cheilitis.](#)
Garofalo V, Cannarozzo G, Del Duca E, Sannino M, Mazzilli S, Dattola A, Nisticò SP, Campione E, Bianchi L.
Photobiomodul Photomed Laser Surg. 2021 Apr;39(4):303-307. doi: 10.1089/photob.2020.4853. Epub 2021 Mar 16.
PMID: 33844608
34. [Nd:YAG laser in association with pulsed dye laser for the treatment of PHACES syndrome.](#)
Negosanti F, Silvestri M, Bennardo L, Durastante C, Del Duca E, Cannarozzo G, Nisticò SP.
Dermatol Reports. 2021 Mar 17;13(1):8751. doi: 10.4081/dr.2021.8751. eCollection 2021 Mar 18.
PMID: 33824704 Free PMC article.
35. [An integrated scalp and blood biomarker approach suggests the systemic nature of alopecia areata.](#)
Glickman JW, Dubin C, Dahabreh D, Han J, Del Duca E, Estrada YD, Zhang N, Kimmel GW, Singer G, Krueger JG, Pavel AB, Guttman-Yassky E.
Allergy. 2021 Oct;76(10):3053-3065. doi: 10.1111/all.14814. Epub 2021 Jun 17.
PMID: 33721346
36. [The molecular features of normal and atopic dermatitis skin in infants, children, adolescents, and adults.](#)
Renert-Yuval Y, Del Duca E, Pavel AB, Fang M, Lefferdink R, Wu J, Diaz A, Estrada YD, Canter T, Zhang N, Wagner A, Chamlin S, Krueger JG, Guttman-Yassky E, Paller AS.
J Allergy Clin Immunol. 2021 Jul;148(1):148-163. doi: 10.1016/j.jaci.2021.01.001. Epub 2021 Jan 13.
PMID: 33453290 Free PMC article.
37. [A New 675 nm Laser Device in the Treatment of Facial Aging: A Prospective Observational Study.](#)
Cannarozzo G, Fazia G, Bennardo L, Tamburi F, Amoruso GF, Del Duca E, Nisticò SP.
Photobiomodul Photomed Laser Surg. 2021 Feb;39(2):118-122. doi: 10.1089/photob.2020.4908. Epub 2021 Jan 15.
PMID: 33449869
38. [Combination of apremilast and narrowband ultraviolet B light in the treatment of generalized vitiligo in skin phototypes IV to VI: A randomized split-body pilot study.](#)
Kim HJ, Singer GK, Del Duca E, Abittan BJ, Chima MA, Kimmel G, Bares J, Gagliotti M, Genece J, Chu J, Wilding G, Pavel AB, Guttman-Yassky E, Lebwohl MG.
J Am Acad Dermatol. 2021 Dec;85(6):1657-1660. doi: 10.1016/j.jaad.2020.12.073. Epub 2021 Jan 10.
PMID: 33440217 Clinical Trial. No abstract available.
39. [Drugs for the Treatment of Chronic Hand Eczema: Successes and Key Challenges.](#)
Dubin C, Del Duca E, Guttman-Yassky E.
Ther Clin Risk Manag. 2020 Dec 31;16:1319-1332. doi: 10.2147/TCRM.S292504. eCollection 2020.
PMID: 33408476 Free PMC article. Review.
40. [Proteomic analysis from skin swabs reveals a new set of proteins identifying skin impairment in atopic dermatitis.](#)
Morelli P, Gaspari M, Gabriele C, Dastoli S, Bennardo L, Pavel AB, Patruno C, Del Duca E, Nisticò SP.
Exp Dermatol. 2021 Jun;30(6):811-819. doi: 10.1111/exd.14276. Epub 2021 Jan 23.

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41. [RNA Sequencing Keloid Transcriptome Associates Keloids With Th2, Th1, Th17/Th22, and JAK3-Skewing.](#)
Wu J, Del Duca E, Espino M, Gontzes A, Cueto I, Zhang N, Estrada YD, Pavel AB, Krueger JG, Guttman-Yassky E.
Front Immunol. 2020 Nov 23;11:597741. doi: 10.3389/fimmu.2020.597741. eCollection 2020.
PMID: 33329590 Free PMC article.
 42. [Cytokine Pathways and Investigational Target Therapies in Hidradenitis Suppurativa.](#)
Del Duca E, Morelli P, Bennardo L, Di Raimondo C, Nisticò SP.
Int J Mol Sci. 2020 Nov 10;21(22):8436. doi: 10.3390/ijms21228436.
PMID: 33182701 Free PMC article.
 43. [Cutaneous mastocytosis: A dermatological perspective.](#)
Di Raimondo C, Del Duca E, Silvaggio D, Di Prete M, Lombardo P, Mazzeo M, Spallone G, Campione E, Botti E, Bianchi L.
Australas J Dermatol. 2021 Feb;62(1):e1-e7. doi: 10.1111/ajd.13443. Epub 2020 Oct 11.
PMID: 33040350 Review.
 44. [Mild atopic dermatitis lacks systemic inflammation and shows reduced nonlesional skin abnormalities.](#)
He H, Del Duca E, Diaz A, Kim HJ, Gay-Mimbrera J, Zhang N, Wu J, Beaziz J, Estrada Y, Krueger JG, Pavel AB, Ruano J, Guttman-Yassky E.
J Allergy Clin Immunol. 2021 Apr;147(4):1369-1380. doi: 10.1016/j.jaci.2020.08.041. Epub 2020 Oct 1.
PMID: 33011244
 45. [Long-pulsed 755-nm alexandrite laser equipped with a sapphire handpiece: unwanted hair removal in darker phototypes.](#)
Nisticò SP, Bennardo L, Del Duca E, Tamburi F, Rajabi-Estarabadi A, Nouri K.
Lasers Med Sci. 2021 Feb;36(1):237-238. doi: 10.1007/s10103-020-03004-3. Epub 2020 Sep 28.
PMID: 32984936 No abstract available.
 46. [Arsenic and chromium levels in hair correlate with actinic keratosis/non-melanoma skin cancer: results of an observational controlled study.](#)
Schipani G, Del Duca E, Todaro G, Scali E, Dastoli S, Bennardo L, Bonacci S, Di Raimondo C, Pavel AB, Colica C, Xu X, Procopio A, Patruno C, Nisticò SP.
Ital J Dermatol Venerol. 2021 Dec;156(6):703-708. doi: 10.23736/S2784-8671.20.06600-6. Epub 2020 Sep 17.
PMID: 32938163
 47. [Tape-strips provide a minimally invasive approach to track therapeutic response to topical corticosteroids in atopic dermatitis patients.](#)
Olesen CM, Pavel AB, Wu J, Mikhaylov D, Del Duca E, Estrada Y, Krueger JG, Zhang N, Clausen ML, Agner T, Guttman-Yassky E.
J Allergy Clin Immunol Pract. 2021 Jan;9(1):576-579.e3. doi: 10.1016/j.jaip.2020.08.037. Epub 2020 Sep 2.
PMID: 32889222 No abstract available.
 48. [Depressive symptoms and insecure attachment predict disability and quality of life in psoriasis independently from disease severity.](#)
Esposito M, Giunta A, Nanni RC, Criscuolo S, Manfreda V, Del Duca E, Bianchi L, Troisi A.
Arch Dermatol Res. 2021 Aug;313(6):431-437. doi: 10.1007/s00403-020-02116-8. Epub 2020 Aug 10.
PMID: 32776228 Free PMC article.
 49. [Long-Term Follow-Up for Q-Switched Nd:YAG Treatment of Nevus of Ota: Are High Number of Treatments Really Required? A Case Report.](#)
Del Duca E, Zingoni T, Bennardo L, Di Raimondo C, Garofalo V, Sannino M, Petrini N, Cannarozzo G, Bianchi L, Nisticò SP.
Photobiomodul Photomed Laser Surg. 2021 Feb;39(2):137-140. doi: 10.1089/photob.2020.4812. Epub 2020 Aug 5.
PMID: 32758019
 50. [SARS-CoV-2 receptor ACE2 protein expression in serum is significantly associated with age.](#)
Pavel AB, Wu J, Renert-Yuval Y, Del Duca E, Glickman JW, Miller RL, Paller AS, Krueger JG, Guttman-Yassky E.
Allergy. 2021 Mar;76(3):875-878. doi: 10.1111/all.14522. Epub 2020 Aug 24.

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51. [Efficacy of Vismodegib in pigmented basal cell carcinoma: Appearances are deceiving.](#)
Di Raimondo C, Mazzeo M, Di Prete M, Lombardo P, Silvaggio D, Del Duca E, Bianchi L, Spallone G.
Dermatol Ther. 2020 Nov;33(6):e14057. doi: 10.1111/dth.14057. Epub 2020 Aug 18.
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52. [Tape strips from early-onset pediatric atopic dermatitis highlight disease abnormalities in nonlesional skin.](#)
Pavel AB, Renert-Yuval Y, Wu J, Del Duca E, Diaz A, Lefferdink R, Fang MM, Canter T, Rangel SM, Zhang N, Krueger JG, Paller AS, Guttman-Yassky E.
Allergy. 2021 Jan;76(1):314-325. doi: 10.1111/all.14490. Epub 2020 Aug 20.
PMID: 32639640 Free PMC article.
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