- 34. Fukuchi T, Sakamoto S, Tsuda H, Maruyama K, Nozawa S, Hirohashi S. β -catenin mutation in carcinoma of the uterine endometrium. Cancer Res 1998;58:3526–8.
- 35. Schlosshauer PW, Pirog EC, Levine RL, Ellenson LH. Mutational analysis of the *CTNNB1* and *APC* genes in uterine endometrioid carcinoma. Mod Pathol 2000;13:1066–71.
- Saegusa M, Okayasu I. Frequent nuclear beta-catenin accumulation and associated mutations in endometrioid-type endometrial and ovarian carcinomas with squamous differentiation.
 J Pathol 2001;194:59–67.
- 37. Masudo K, Nakatani Y, Inayama Y, Kawano N, Miyagi Y, Tamai S, *et al.* Cribriform-morular variant of papillary thyroid carcinoma. A pathologic analysis of 15 cases. Proc Jpn Soc Pathol 2001;90:346a.
- 38. Semba S, Han S-Y, Ikeda H, Horii A. Frequent nuclear accumulation of β -catenin in pituitary adenoma. Cancer 2001;91:42–8.
- 39. Abraham SC, Nobukawa B, Giardiello FM, Hamilton SR, Wu T-T. Sporadic fundic gland polyps. Common gastric polyps arising through activating mutations in the β -catenin gene. Am J Pathol 2001;158:1005–10.

- 40. Oda H, Imai Y, Nakatsuru J, Hata J, Ishikawa T. Somatic mutations of the APC gene in sporadic hepatoblastomas. Cancer Res 1996;56:3320–3.
- 41. Jeng YM, Wu MZ, Mao TL, Chang MH, Hsu HC. Somatic mutations of β -catenin play a crucial role in the tumorigenesis of sporadic hepatoblastoma. Cancer Lett 2000;152:45–51.
- 42. Garcia-Rostan G, Camp RL, Herrero A, Carcangiu ML, Rimm DL, Tallini G. Beta-catenin dysregulation in thyroid neoplasms: down-regulation, aberrant nuclear expression, and *CTNNB1* exon 3 mutations are markers for aggressive tumor phenotypes and poor prognosis. Am J Pathol 2001;158:987–96.
- 43. Abraham SC, Wu T-T, Klimstra DS, Finn LS, Lee J-H, Yeo CJ, et al. Distinctive molecular alterations in sporadic and familial adenomatous polyposis-associated pancreatoblastomas. Frequent alterations in the APC/β-catenin pathway and chromosome 11p. Am J Pathol 2001;159:1619–27.
- 44. Kato K, Notohara K, Hijo H, Nakatami Y, Horie H, Kobayashi Y, *et al.* Abnormality of the Wmt signaling pathway in pancreatoblastoma and solid-pseudopapillary neoplasm. Proc Jpn Soc Pathol 2002;91:312a.

Book Review

Nadler S: The Language of Cells: Life as Seen Under the Microscope, 197 pp, New York, Random House, 2001 (\$24.95).

Within the genre of "books by physicians" one encounters everything from biography, through medicine for the layman, to simply a second interest in writing. The present title is not about signaling among cells (which is in vogue in cell biology) but rather observations on people and life by someone who happened to devote his professional activity to the cellular level. The author is a widely published surgical pathologist who had his formative years in Canada, engaged in specialty training in New York and Los Angeles, and then, for the bulk of his career, was employed by a large community hospital in Southern California.

The book consists of eight essays, all written in a sensitive and insightful manner. The subjects will conjure up further contemplations in the broad audience for which it seems intended. However, this reviewer had difficulty in finding profound and novel concepts. In the introduction, Spencer Nadler contrasts his "cellular" days behind the microscope with his "whole patient" encounters in the past decade. "The Old Soldier" exemplifies this theme, the author's seeking out patient bonding after so many years peering at slides, and being once removed. This approach

has obviously fulfilled the writer, but the average reader may wish for a tad less morbidity.

The format and size of the text make for pleasant reading. The selection of color illustrations, reproductions of microscopic slides according to the essay, makes sense but is largely lost by having them ganged together in the front of the book, after the table of contents, rather than inserted as chapter introductions. This was surely due to an unhappy cost reduction, imposed by the production department.

In Australia in the 1940s and 1950s I recall that it was not uncommon for mothers to consult family doctors on career counseling for their sons and daughters. It was intended to be based on cumulative observations during the pediatric years, on the perceived fitness of their minds and bodies for future activities. At second thought it was not all that quaint, but I doubt that it happens anymore. Perhaps this circumstance pertains because today's medical professionals do not enjoy the community respect of their antecedents, and they are normally not as broadly educated, especially within the humanities. His essays indicate that Dr. Nadler is an exception on both counts.

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